



ISINAC
ISINAC ACOUSTIC WORLD

3.0



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ISINAC generates acoustic comfort by manufacturing sound-absorbing products for the world through its distribution network.

We focus on experimenting with new materials and technologies to improve our products while minimizing their environmental impact. Our goal is to ensure maximum satisfaction for customers by offering low-maintenance solutions with high acoustic absorption performance.

We are committed to compostable, recycled, and recyclable materials, developing patented systems that combine design and functionality with the highest technical

standards. We support each project in all its phases and subject our materials to independent laboratory testing to certify their quality, durability, and safety.

Our solutions enhance speech intelligibility in spaces of human interaction, promoting well-being and preventing negative effects of noise such as anxiety or fatigue. We fight noise pollution to create more comfortable environments, providing spaces with clear and harmonious sound that improve quality of life.



01. KNOW HOW



ISINAC genera confort acústico con la fabricación de productos fonoabsorbentes para el mundo a través de su red de distribución.

Nos enfocamos en la experimentación con nuevos materiales y tecnologías para mejorar nuestros productos, minimizando su impacto ambiental. Nuestro objetivo es garantizar la máxima satisfacción de clientes, ofreciendo soluciones de bajo mantenimiento y alto rendimiento en absorción acústica.

Apostamos por materiales compostables, reciclados y reciclables, desarrollando sistemas patentados que combinan diseño y funcionalidad con las más altas presta-

ciones técnicas. Acompañamos cada proyecto en todas sus fases y sometemos nuestros materiales a pruebas en laboratorios independientes para certificar su calidad, durabilidad y seguridad.

Nuestras soluciones mejoran la inteligibilidad del sonido en espacios de interacción humana, favoreciendo el bienestar y evitando efectos negativos del ruido como ansiedad o fatiga. Combatimos la contaminación acústica para crear entornos más confortables, proporcionando espacios con un sonido claro y armonioso que mejoran la calidad de vida.



MATERIALS: recycled, recyclable, and compostable
MATERIALES: reciclados, reciclables y compostables

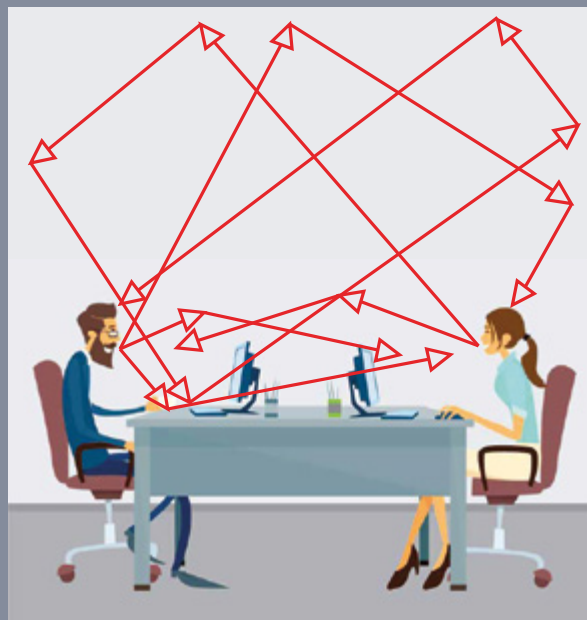
ECO DESIGN: optimization of raw materials, zero waste
ECO DISEÑO: aprovechamiento materias primas, cero residuo

MANUFACTURING: recyclability, sustainable raw materials
FABRICACIÓN: reciclabilidad, materias primas sostenibles

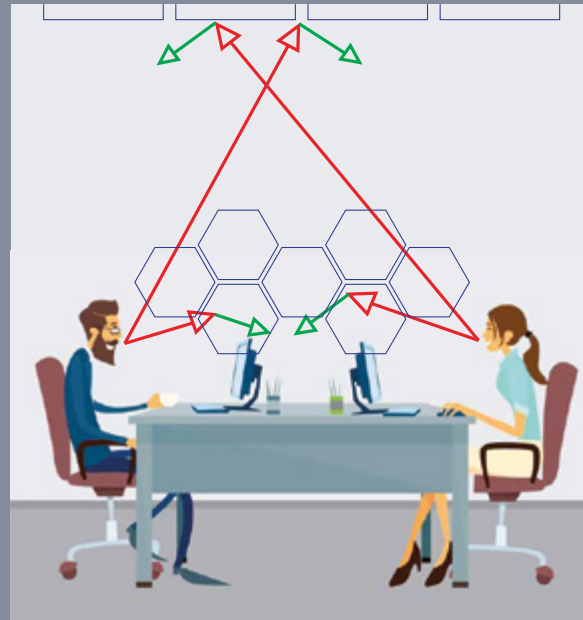
LOGISTICS: designed for emission reduction
LOGÍSTICA: diseñada para una reducción de emisiones

USAGE: high-quality materials to extend product lifespan
USO: alta calidad de materiales para alargar la vida útil

END OF LIFE: 100% recyclable or 100% compostable
FIN DE VIDA: 100% reciclable o 100% compostable



Before ISINAC
Antes de ISINAC



After ISINAC
Después de ISINAC

ACOUSTIC COMFORT



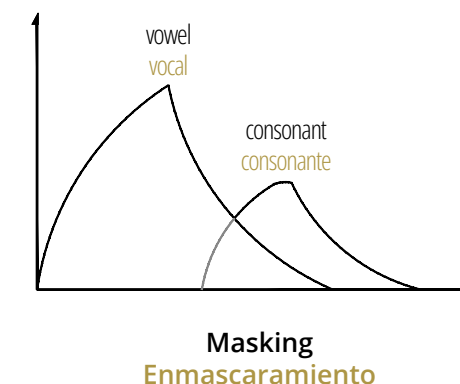
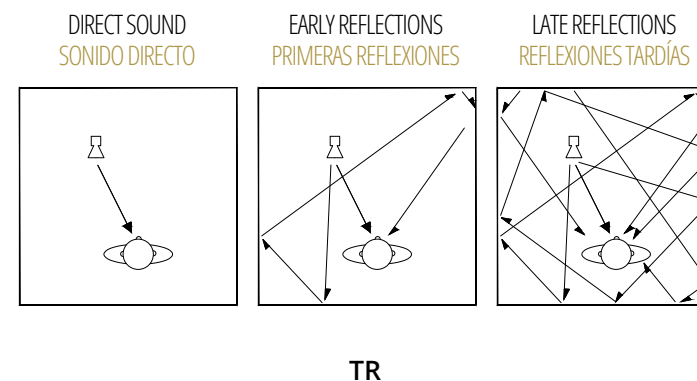
Acoustic comfort measures the noise level at which sound becomes appropriate for rest, communication, and overall well-being. These sounds are made up of waves that tend to reflect off rigid surfaces with limited absorbent capacity, such as concrete, marble, or glass.

What affects acoustic comfort in a space?

- **Reverberation Time (RT):** The more reflective the surfaces and the larger the space, the longer it takes for sounds to be absorbed. This results in an increase in reverberation time.
- **Intelligibility:** Refers to the correct understanding of spoken messages. It depends mainly on the clear perception of consonants and the presence of echo or flutter echo in a room.
 - The closer the listener is to the sound source, the greater the intelligibility.
 - The lower the RT, the higher the intelligibility.
- **Masking:** Occurs when the ear is exposed to two or more sounds, causing one to mask the others. This prevents the full or partial perception of other sound elements.

RT plays a crucial role in both masking and intelligibility. By reducing RT, acoustic comfort is significantly improved. ISINAC's philosophy is based on this principle.

02. CONFORT ACÚSTICO



El confort acústico es el nivel de sonido que resulta correcto para el descanso, la comunicación y la salud de las personas. Estos sonidos están formados por ondas que tienden a reflejarse sobre las superficies rígidas con limitado poder absorbente, por ejemplo cemento, mármol o vidrio.

¿Qué afecta al confort acústico en un espacio?:

- **Tiempo de Reverberacion (TR):** Cuanto mayor es el reflejo y mayores son las dimensiones del espacio, más tardarán los sonidos en ser absorbidos. Es ahí donde el Tiempo de Reverberación aumenta.
- **Enmascaramiento:** Se produce cuando el oído se expone a dos o más sonidos y uno enmascara a los demás. Evita, por lo tanto, la percepción total o parcial del resto de elementos sonoros.
 - Cuanto más cerca esté situado el receptor de la fuente sonora, mayor inteligibilidad.
 - Cuanto menor sea el TR, mayor inteligibilidad.
- **Inteligibilidad:** Es la correcta comprensión de un mensaje oral. Depende, fundamentalmente, de la correcta percepción de sus consonantes, de la existencia de eco o de eco flotante en una sala.

El TR está presente en el enmascaramiento y en la inteligibilidad del espacio; si se reduce el TR se mejora sustancialmente el confort acústico.

ISINAC UNIVERSE



At ISINAC, creativity goes beyond the work of the R&D+I team: it is present in every design, but also in every brand. Our brand universe is designed as a strategic ecosystem where each brand serves a specific purpose and addresses an identified need within the acoustic absorption sector. Far from being isolated entities, all of them coexist under a common architecture that ensures a recognizable experience for our clients and distributors. This collective ecosystem reinforces our shared values.

ISINAC has proprietary brands such as those that bring our fabrics to life: ILUCS, for our Trevira CS polyester range, and IZZER, our 100% natural wool. ABSORBRELLA

redefines the acoustic and sensory experience in outdoor spaces such as terraces, while IKLA merges acoustic absorption with lighting products for offices and homes.

We envision this brand universe as an interconnected constellation where each brand shines with its own light under the ISINAC umbrella, yet always within a single global vision: to offer the best acoustic comfort, no matter the space.

03. UNIVERSO ISINAC



En ISINAC, la creatividad va más allá del trabajo del equipo de I+D+i: está presente en cada diseño pero también en cada marca. Nuestro universo de marca está diseñado como un ecosistema estratégico donde cada firma cumple una función específica y responde a una necesidad identificada dentro del sector de la absorción acústica. Lejos de ser entidades aisladas, todas conviven bajo una arquitectura común que garantiza una experiencia reconocible para nuestros clientes y distribuidores. Este ecosistema conjunto refuerza nuestros valores compartidos.

Así, ISINAC cuenta con marcas propias como las que dan vida a nuestros tejidos: el ILUCS para nuestra gama de poliéster Trevira CS, y el IZZER, nuestra lana 100% natural.

ABSORBRELLA redefine la experiencia acústica y sensorial en espacios exteriores como terrazas, mientras que IKLA fusiona la absorción acústica con productos de iluminación para oficinas y hogares.

Proyectamos este universo de marca como una constelación interconectada en la que cada una brilla con luz propia bajo el paraguas de ISINAC pero siempre dentro de una misma visión global: ofrecer el mejor confort acústico sea cual sea el espacio.

IKLA



CERTIFICATES



The certifications that endorse our processes and products reflect our commitment to excellence, safety, and environmental responsibility. These accreditations ensure our clients that every solution we offer complies with the most demanding regulations and provides a unique value in the global market.

In the development of our acoustic solutions, we believe in less polluting manufacturing processes and the use of compostable, recycled, and recyclable materials. Under this premise, the systems and technologies patented by ISINAC synthesize design with a high level of technical performance and functionality.

We dedicate all our efforts to differentiating our products through their quality and reliability. That is why all the materials used by ISINAC are tested in the most reputable independent laboratories in the sector, to reliably and externally verify their acoustic absorption across all parameters, as well as their resistance to aging and fire.

04. CERTIFICADOS



Las certificaciones que avalan nuestros procesos y productos son un reflejo de nuestro compromiso con la excelencia, la seguridad y la responsabilidad ambiental. Estas acreditaciones garantizan a nuestros clientes que cada solución que ofrecemos cumple con las normativas más exigentes y aporta un valor diferencial en el mercado global.

En el desarrollo de nuestras soluciones acústicas creemos en elaboraciones menos contaminantes y en el uso de materiales compostables, reciclados y reciclables. Bajo esta premisa, los sistemas y las tecnologías patentadas por ISINAC sintetizan el diseño con un elevado nivel de prestaciones técnicas y funcionalidad.

Dedicamos todos nuestros esfuerzos para diferenciar nuestros productos a través de su calidad y garantía. Es por ello que todo el material utilizado por ISINAC se testa en los laboratorios independientes más reconocidos del sector, para comprobar de forma fidedigna y externa su absorción acústica en todos sus parámetros, pero también su resistencia al paso del tiempo y al fuego.

tecnalia  Inspiring
Business

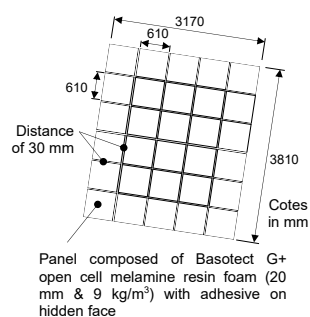
 aitex®

20mm ADH



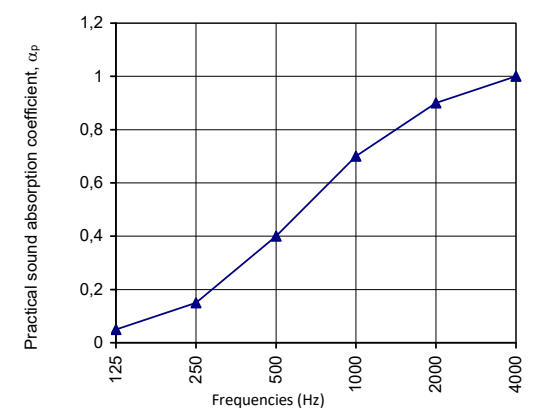
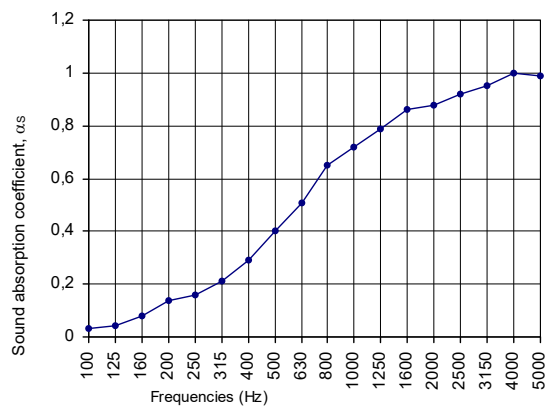
Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 12/01/2024
RESULT No.: 110259-2
TEST SPECIMEN:
Configuration of panels
ISINAC C.610.20 ADH



Area of test specimen: 12,08 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,03 | 0,05 |
| 125 | 0,04 | |
| 160 | 0,08 | |
| 200 | 0,14 | |
| 250 | 0,16 | |
| 315 | 0,21 | 0,15 |
| 400 | 0,29 | |
| 500 | 0,40 | |
| 630 | 0,51 | |
| 800 | 0,65 | |
| 1000 | 0,72 | 0,70 |
| 1250 | 0,79 | |
| 1600 | 0,86 | |
| 2000 | 0,88 | |
| 2500 | 0,92 | |
| 3150 | 0,95 | 0,90 |
| 4000 | 1,00 | |
| 5000 | 0,99 | |



Weighted sound absorption coefficient according to EN ISO 11654:1997
 $\alpha_w = 0,40$ (MH)



40mm ADH



AKUSTIKA ARLOA/AREA DE ACUSTICA
Eraikuntzaren Kalitate Kontrolerako Laborategia
Laboratorio de Control de Calidad de la Edificación



AKUSTIKA ARLOA kudeatzailea:
AREA DE ACÚSTICA gestionada por:



Sound absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result No: B2018-27-M543
Test date: 31st July, 2018
Test specimen: Configuration of panels ISINAC C.610.40 ADH.
Configuration: Panels on the floor of the testing room, covering S=12.08 m².
Mounting type A according to Annex B of EN ISO 354:2003.

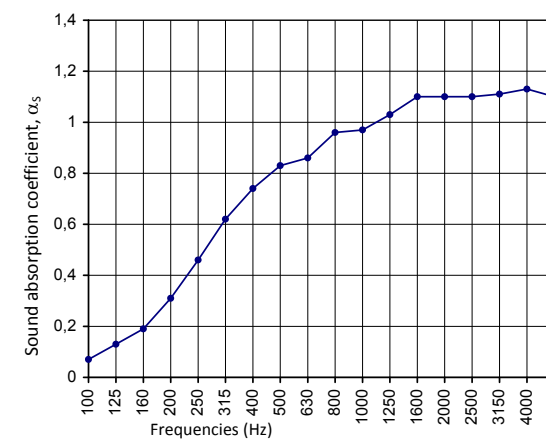
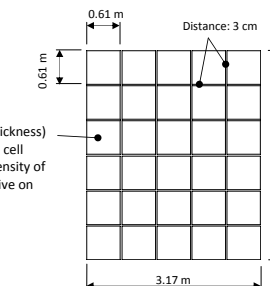


Area, S, test: 12.08 m²
Volume of reverberation room: 209.6 m³

t₁ : 22.5 °C
HR₁ : 65 %
P₁ : 959 mbar
t₂ : 22.6 °C
HR₂ : 66 %
P₂ : 958 mbar

1. Empty room
2. Room with the test specimen

| f (Hz) | T ₁ | T ₂ | α_s | α_p |
|--------|----------------|----------------|------------|------------|
| 100 | 8.87 | 7.19 | 0.07 | 0.15 |
| 125 | 8.67 | 6.19 | 0.13 | |
| 160 | 8.99 | 5.58 | 0.19 | |
| 200 | 9.74 | 4.71 | 0.31 | |
| 250 | 9.35 | 3.66 | 0.46 | |
| 315 | 8.98 | 2.99 | 0.62 | 0.45 |
| 400 | 8.80 | 2.64 | 0.74 | |
| 500 | 8.95 | 2.43 | 0.83 | |
| 630 | 8.77 | 2.36 | 0.86 | |
| 800 | 8.12 | 2.13 | 0.96 | |
| 1000 | 7.68 | 2.09 | 0.97 | 1.00 |
| 1250 | 7.02 | 1.95 | 1.03 | |
| 1600 | 6.31 | 1.81 | 1.10 | |
| 2000 | 5.46 | 1.73 | 1.10 | |
| 2500 | 4.73 | 1.65 | 1.10 | |
| 3150 | 3.90 | 1.53 | 1.11 | 1.00 |
| 4000 | 3.23 | 1.40 | 1.13 | |
| 5000 | 2.50 | 1.26 | 1.10 | |



Evaluation according to EN ISO 11654:1997:

Weighted sound absorption coefficient: $\alpha_w = 0.75$ (MH)

Evaluation based on laboratory measurement obtained by an engineering method.



40mm HUNG / COLG



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Laboratorio de Control de Calidad de la Edificación



EUSKO JAURLARITZA
GOBIERNO VASCO

AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Result No: B2019-54-M606

Test date: 10th April, 2019

Test specimen: Configuration of ISINAC C.610.40 ADH panels with a separation of 400 mm from a surface.

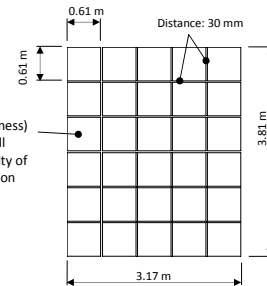


Area, S_t test: 12.08 m²
Volume of reverberation room: 209.6 m³

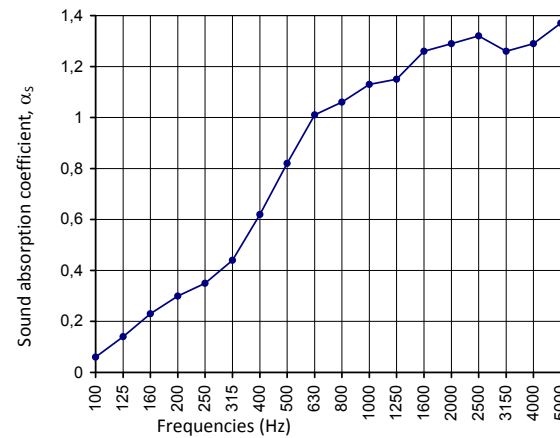
t_1 : 18.9 °C
HR₁: 48 %
P₁: 950 mbar
 t_2 : 19.4 °C
HR₂: 52 %
P₂: 954 mbar

1. Empty room
2. Room with the test specimen

Panel (40 mm of nominal thickness) composed of Basotect open cell melamine foam (nominal density of 9 kg/m³) with 120 gr. adhesive on the hidden face.



| f (Hz) | T ₁ | T ₂ | α_c | α_p |
|--------|----------------|----------------|------------|------------|
| 100 | 8.17 | 6.97 | 0.06 | 0.15 |
| 125 | 7.73 | 5.63 | 0.14 | |
| 160 | 9.18 | 5.26 | 0.23 | 0.35 |
| 200 | 9.51 | 4.69 | 0.30 | |
| 250 | 9.38 | 4.32 | 0.35 | 0.80 |
| 315 | 8.27 | 3.58 | 0.44 | |
| 400 | 8.35 | 2.94 | 0.62 | 1.00 |
| 500 | 8.89 | 2.47 | 0.82 | |
| 630 | 8.47 | 2.09 | 1.01 | 1.00 |
| 800 | 7.98 | 1.98 | 1.06 | |
| 1000 | 7.56 | 1.86 | 1.13 | 1.00 |
| 1250 | 6.82 | 1.79 | 1.15 | |
| 1600 | 6.07 | 1.63 | 1.26 | 1.00 |
| 2000 | 5.26 | 1.54 | 1.29 | |
| 2500 | 4.37 | 1.44 | 1.32 | 1.00 |
| 3150 | 3.45 | 1.37 | 1.26 | |
| 4000 | 2.73 | 1.23 | 1.29 | 1.00 |
| 5000 | 2.02 | 1.04 | 1.37 | |



Evaluation according to EN ISO 11654:1997:

Weighted sound absorption coefficient: $\alpha_w = 0.65$ (MH)

Evaluation based on laboratory measurement obtained by an engineering method.



40mm ILUCS ADH



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Eraikuntzaren Kalitate Kontrolerako Laborategia
Laboratorio de Control de Calidad de la Edificación



EUSKO JAURLARITZA
GOBIERNO VASCO

AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Result No: B2018-27-M542

Test date: 10th July, 2018

Test specimen: Configuration of panels ISINAC ILUCS ADH

Configuration: Mounting type A according to Annex B of EN ISO 354:2003.

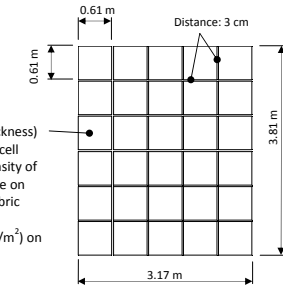


Area, S_t test: 12.08 m²
Volume of reverberation room: 209.6 m³

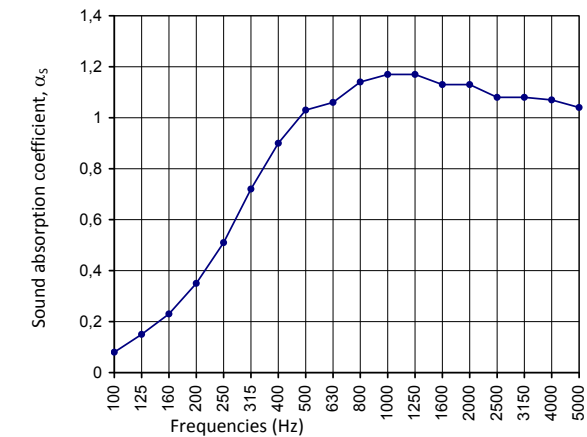
t_1 : 21.7 °C
HR₁: 64 %
P₁: 961 mbar
 t_2 : 21.9 °C
HR₂: 65 %
P₂: 959 mbar

1. Empty room
2. Room with the test specimen

Panel (40 mm of nominal thickness) composed of: Basotect open cell melamine foam (nominal density of 9 kg/m³) with 120 gr. adhesive on the hidden face + ILUCS Fabric (100% Trevira CS polyester & nominal grammage of 265 gr/m²) on face-side and edges.



| f (Hz) | T ₁ | T ₂ | α_c | α_p |
|--------|----------------|----------------|------------|------------|
| 100 | 9.26 | 7.36 | 0.08 | 0.15 |
| 125 | 8.39 | 5.82 | 0.15 | |
| 160 | 9.04 | 5.17 | 0.23 | 0.55 |
| 200 | 9.63 | 4.36 | 0.35 | |
| 250 | 9.61 | 3.49 | 0.51 | 1.00 |
| 315 | 9.03 | 2.71 | 0.72 | |
| 400 | 8.82 | 2.29 | 0.90 | 1.00 |
| 500 | 9.12 | 2.08 | 1.03 | |
| 630 | 8.73 | 2.02 | 1.06 | 1.00 |
| 800 | 8.39 | 1.89 | 1.14 | |
| 1000 | 7.82 | 1.82 | 1.17 | 1.00 |
| 1250 | 7.00 | 1.78 | 1.17 | |
| 1600 | 6.34 | 1.77 | 1.13 | 1.00 |
| 2000 | 5.54 | 1.71 | 1.13 | |
| 2500 | 4.75 | 1.67 | 1.08 | 1.00 |
| 3150 | 3.92 | 1.56 | 1.08 | |
| 4000 | 3.21 | 1.44 | 1.07 | 1.00 |
| 5000 | 2.44 | 1.28 | 1.04 | |



Evaluation according to EN ISO 11654:1997:

Weighted sound absorption coefficient: $\alpha_w = 0.85$ (H)

Evaluation based on laboratory measurement obtained by an engineering method.



40mm ILUCS HUNG / COLG



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Eraikuntzaren Kalitate Kontrolerako Laborategia
Laboratorio de Control de Calidad de la Edificación



EUSKO JAURLARITZA
GOBIERNO VASCO

AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Result No: B2019-54-M607

Test date: 10th April, 2019

Test specimen: Configuration of ISINAC ILUCS panels with a separation of 400 mm from a surface.

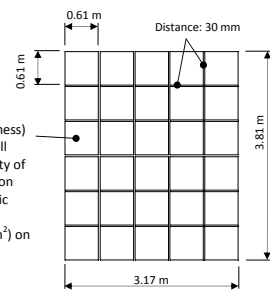


Area, S, test: 12.08 m²
Volume of reverberation room: 209.6 m³

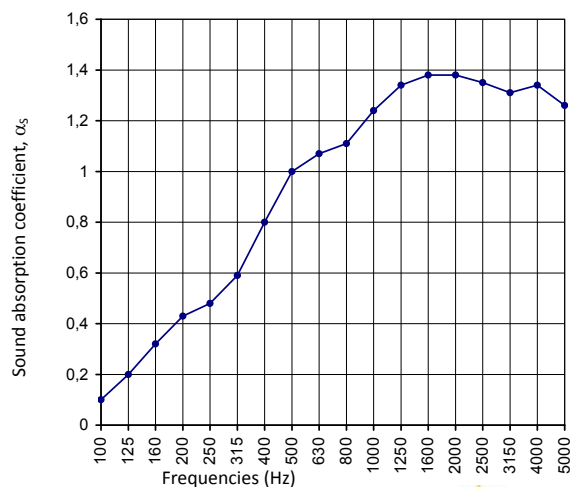
t₁: 18.9 °C
HR₁: 48 %
P₁: 950 mbar
t₂: 19.3 °C
HR₂: 53 %
P₂: 954 mbar

1. Empty room
2. Room with the test specimen

Panel (40 mm of nominal thickness) composed of: Basotect open cell melamine foam (nominal density of 9 kg/m³) with 120 gr. adhesive on the hidden face + ILUCS Fabric (100% Trevira CS polyester & nominal grammage of 265 gr/m²) on face-side and edges.



| f (Hz) | T ₁ | T ₂ | α _s | α _p |
|--------|----------------|----------------|----------------|----------------|
| 100 | 8.17 | 6.39 | 0.10 | 0.20 |
| 125 | 7.73 | 4.99 | 0.20 | |
| 160 | 9.18 | 4.51 | 0.32 | |
| 200 | 9.51 | 3.85 | 0.43 | 0.50 |
| 250 | 9.38 | 3.60 | 0.48 | |
| 315 | 8.27 | 3.01 | 0.59 | 0.95 |
| 400 | 8.35 | 2.47 | 0.80 | |
| 500 | 8.89 | 2.13 | 1.00 | 1.00 |
| 630 | 8.47 | 2.00 | 1.07 | |
| 800 | 7.98 | 1.91 | 1.11 | 1.00 |
| 1000 | 7.56 | 1.74 | 1.24 | |
| 1250 | 6.82 | 1.60 | 1.34 | 1.00 |
| 1600 | 6.07 | 1.52 | 1.38 | |
| 2000 | 5.26 | 1.47 | 1.38 | 1.00 |
| 2500 | 4.37 | 1.42 | 1.35 | |
| 3150 | 3.45 | 1.34 | 1.31 | 1.00 |
| 4000 | 2.73 | 1.21 | 1.34 | |
| 5000 | 2.02 | 1.09 | 1.26 | |



Evaluation according to EN ISO 11654:1997:

Weighted sound absorption coefficient: α_w = 0.80 (H)

Evaluation based on laboratory measurement obtained by an engineering method.



40mm IZZER ADH



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Laboratorio de Control de Calidad de la Edificación



EUSKO JAURLARITZA
GOBIERNO VASCO

AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Result No.: B2021-146-M841

Test date: 4th May 2021

Test specimen: Configuration of panels ISINAC de 4cm de espesor acabado izzzer cover con autoadhesivo.

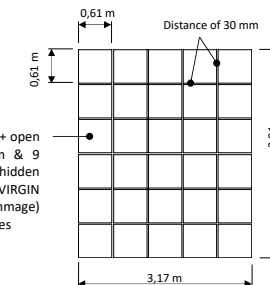


Area, S, test: 12,08 m²
Volume of reverberation room: 209,6 m³

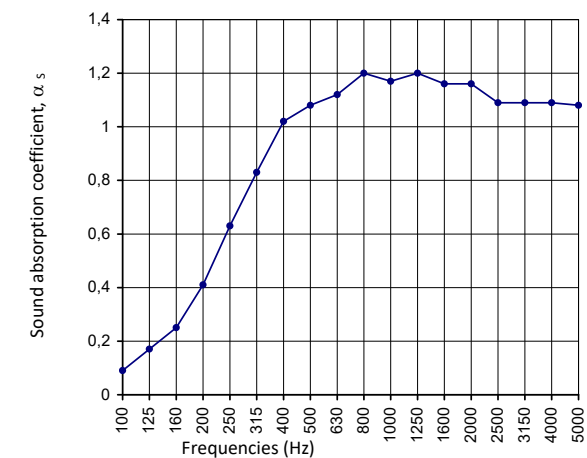
t₁: 18,4 °C
HR₁: 52 %
P₁: 961 mbar
t₂: 18,7 °C
HR₂: 55 %
P₂: 957 mbar

1. Empty room
2. Room with the test specimen

Panel composed of Basotect G+ open cell melamine foam (40 mm & 9 kg/m³) with adhesive on the hidden face + IZZER Fabric (100% VIRGIN WOOL & 460 gr/m² of grammage) cover on the face-side and edges



| f (Hz) | T ₁ | T ₂ | α _s | α _p |
|--------|----------------|----------------|----------------|----------------|
| 100 | 8,75 | 6,81 | 0,09 | 0,15 |
| 125 | 8,17 | 5,50 | 0,17 | |
| 160 | 8,69 | 4,94 | 0,25 | |
| 200 | 9,52 | 3,97 | 0,41 | 0,60 |
| 250 | 9,42 | 3,01 | 0,63 | |
| 315 | 8,35 | 2,41 | 0,83 | 1,00 |
| 400 | 8,54 | 2,08 | 1,02 | |
| 500 | 9,00 | 2,01 | 1,08 | 1,00 |
| 630 | 8,65 | 1,94 | 1,12 | |
| 800 | 8,12 | 1,82 | 1,20 | 1,00 |
| 1000 | 7,55 | 1,81 | 1,17 | |
| 1250 | 6,93 | 1,75 | 1,20 | 1,00 |
| 1600 | 6,21 | 1,74 | 1,16 | |
| 2000 | 5,29 | 1,66 | 1,16 | 1,00 |
| 2500 | 4,39 | 1,63 | 1,09 | |
| 3150 | 3,54 | 1,50 | 1,09 | 1,00 |
| 4000 | 2,79 | 1,36 | 1,09 | |
| 5000 | 2,06 | 1,17 | 1,08 | |



Evaluation according to EN ISO 11654:1997:

Weighted sound absorption coefficient: α_w = 0,90

Evaluation based on laboratory measurement obtained by an engineering method

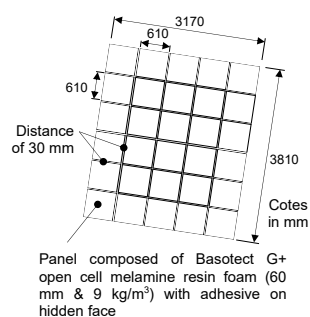


60mm ADH



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

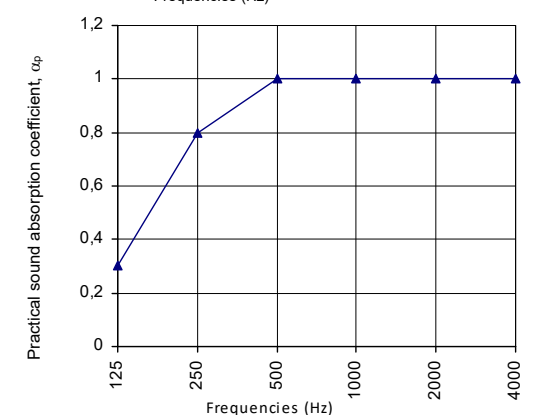
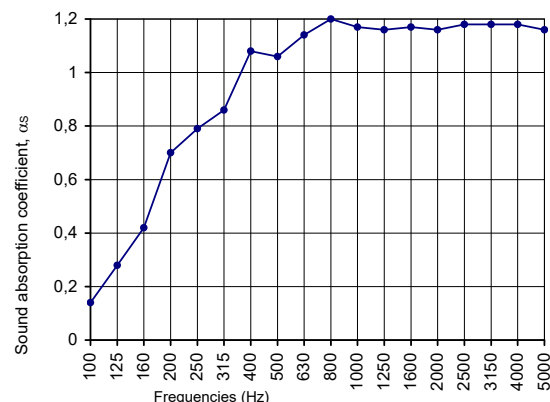
CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 10/01/2024
RESULT No.: 110259-1
TEST SPECIMEN:
**Configuration of panels
ISINAC C.610.60 ADH**



Area of test specimen: 12,08 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,14 | 0,30 |
| 125 | 0,28 | |
| 160 | 0,42 | |
| 200 | 0,70 | 0,80 |
| 250 | 0,79 | |
| 315 | 0,86 | |
| 400 | 1,08 | 1,00 |
| 500 | 1,06 | |
| 630 | 1,14 | |
| 800 | 1,20 | 1,00 |
| 1000 | 1,17 | |
| 1250 | 1,16 | |
| 1600 | 1,17 | 1,00 |
| 2000 | 1,16 | |
| 2500 | 1,18 | |
| 3150 | 1,18 | 1,00 |
| 4000 | 1,18 | |
| 5000 | 1,16 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997
 $\alpha_w = 1,00$



LINEAR ADH



Departamento de Planificación Territorial,
Vivienda y Transportes
Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica



Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 20/01/2023
RESULT No.: B2023-195-M952
TEST SPECIMEN: Configuration of panels **ISINAC LINEAR**



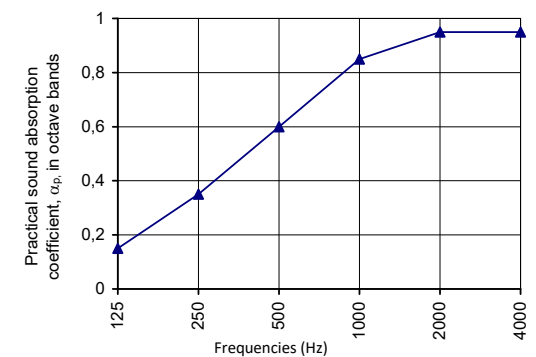
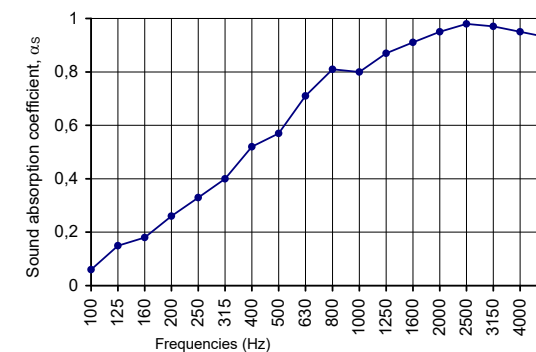
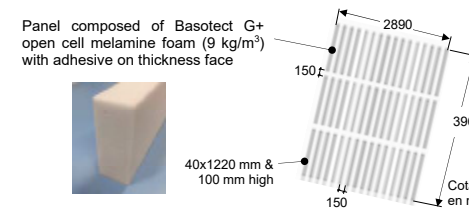
Area, S, test: 11,44 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,06 | 0,15 |
| 125 | 0,15 | |
| 160 | 0,18 | |
| 200 | 0,26 | 0,35 |
| 250 | 0,33 | |
| 315 | 0,40 | |
| 400 | 0,52 | 0,60 |
| 500 | 0,57 | |
| 630 | 0,71 | |
| 800 | 0,81 | 0,85 |
| 1000 | 0,80 | |
| 1250 | 0,87 | |
| 1600 | 0,91 | 0,95 |
| 2000 | 0,95 | |
| 2500 | 0,98 | |
| 3150 | 0,97 | 0,95 |
| 4000 | 0,95 | |
| 5000 | 0,93 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997
 $\alpha_w = 0,60$ (MH)




Evaluation based on laboratory measurement obtained by an engineering method




BLIND / ESTOR IZZER






MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE



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Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica

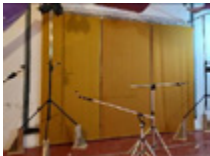


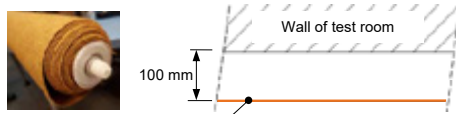
ENAC
ENSAYOS
Nº 4 / L E 4 5 6

Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 27th January 2023
 RESULT No.: B2023-195-M953

TEST SPECIMEN: **ISINAC ISTORE IZZER roller blind, with unrolled arrangement and 100 mm of distance to the wall**






Area, S, test: 12,15 m²
 Reverberation room volume: 209,6 m³

IZZER fabric – 100% WOOL 460 gr/m²

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,04 | 0,05 |
| 125 | 0,06 | |
| 160 | 0,08 | |
| 200 | 0,14 | 0,20 |
| 250 | 0,18 | |
| 315 | 0,30 | |
| 400 | 0,39 | 0,50 |
| 500 | 0,51 | |
| 630 | 0,62 | |
| 800 | 0,71 | 0,75 |
| 1000 | 0,77 | |
| 1250 | 0,77 | |
| 1600 | 0,66 | 0,60 |
| 2000 | 0,52 | |
| 2500 | 0,62 | |
| 3150 | 0,66 | 0,65 |
| 4000 | 0,64 | |
| 5000 | 0,66 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,50$ (MH)




Evaluation based on laboratory measurement obtained by an engineering method


04. CERTIFICATES

CURTAIN ILUCS 1 LAYER / CAPA






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Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica




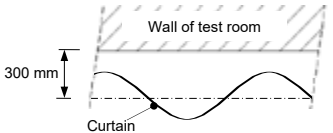
ENAC
ENSAYOS
Nº 4 / L E 4 5 6

Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 28/11/2024
 RESULT No.: 115541-3

TEST SPECIMEN: **ISINAC CURTAIN ILUCS 1 LAYER curtain, with folded arrangement and 300 mm of distance to the wall**







Area, S, test: 10,73 m²
 Reverberation room volume: 209,6 m³

ILUCS FABRIC
 100% POLYESTER TREVIRA CS
 (~0,5 mm thick & 265 gr/m²)

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,11 | 0,15 |
| 125 | 0,18 | |
| 160 | 0,21 | |
| 200 | 0,34 | 0,40 |
| 250 | 0,42 | |
| 315 | 0,43 | |
| 400 | 0,47 | 0,40 |
| 500 | 0,41 | |
| 630 | 0,37 | |
| 800 | 0,39 | 0,50 |
| 1000 | 0,41 | |
| 1250 | 0,46 | |
| 1600 | 0,47 | 0,60 |
| 2000 | 0,48 | |
| 2500 | 0,52 | |
| 3150 | 0,57 | 0,60 |
| 4000 | 0,61 | |
| 5000 | 0,63 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,45$ (H)





Evaluation based on laboratory measurement obtained by an engineering method


04. CERTIFICATES

CURTAIN ILUCS 2 LAYERS / CAPAS



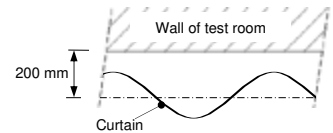


MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

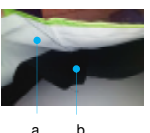


Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
 TEST DATE: 29/02/2024
 RESULT No.: 110259-6
 TEST SPECIMEN: **ISINAC CURTAIN ILUCS 2 layers** curtain, with folded arrangement and 200 mm of distance to the wall




Wall of test room
200 mm
Curtain



a b

a. ILUCS FABRIC
100% POLYESTER TREVIRA CS 265 gr/m²

b. PX210 FABRIC
100% CARBON FIBER 210 gr/m²

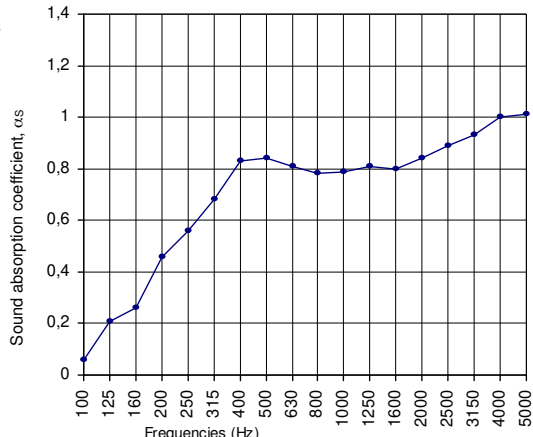


Area, S, test: 10,8 m²
 Reverberation room volume: 209,6 m³

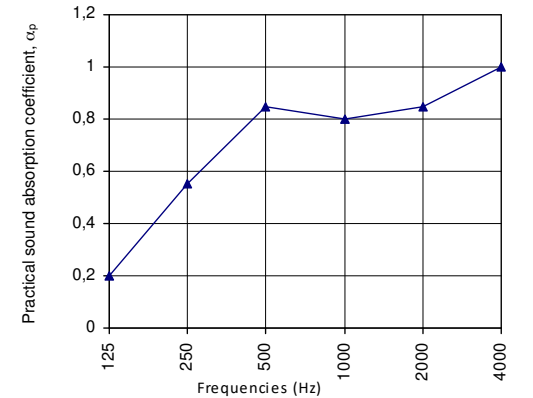
| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,06 | 0,20 |
| 125 | 0,21 | |
| 160 | 0,26 | |
| 200 | 0,46 | 0,55 |
| 250 | 0,56 | |
| 315 | 0,68 | |
| 400 | 0,83 | 0,85 |
| 500 | 0,84 | |
| 630 | 0,81 | |
| 800 | 0,78 | 0,80 |
| 1000 | 0,79 | |
| 1250 | 0,81 | |
| 1600 | 0,80 | 0,85 |
| 2000 | 0,84 | |
| 2500 | 0,89 | |
| 3150 | 0,93 | 1,00 |
| 4000 | 1,00 | |
| 5000 | 1,01 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997



$\alpha_w = 0,80$ (H)



Sound absorption coefficient, α_s



Practical sound absorption coefficient, α_p





TEST REPORT No. 110259-6


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CURTAIN ILUCS 4 LAYERS / CAPAS






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Sound absorption according to EN ISO 354:2003 Laboratory measurements

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AKUSTIKA ARLOA kudeatzailea:
 ÀREA DE ACÚSTICA gestionada por:



Sound absorption according to EN ISO 354:2003 Laboratory measurements

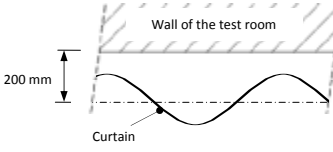
Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result Nº: B2019-54-M615
Test date: 8th May, 2019

Test specimen: ISINAC CURTAIN.
 Each curtain panel is formed by 2 pieces (a+b) joined together by the sides and top.


Test arrangement: Folded arrangement. Type G-200 mounting (200 mm of distance to the wall) according to EN ISO 354:2003.

Area, S, test: 10,8 m²
 Reverberation room volume: 209,6 m³
 t₁ : 20,2 °C
 HR₁ : 47 %
 P₁ : 955 mbar
 t₂ : 20,9 °C
 HR₂ : 51 %
 P₂ : 952 mbar

- Empty room
- Room with test specimen

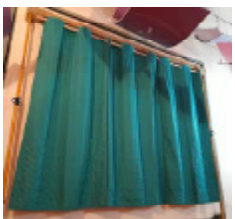


Wall of the test room
200 mm
Curtain

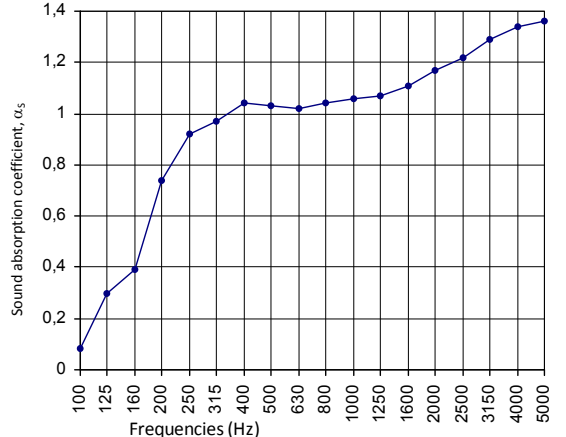


a b
b a

a- Lucia CS fabric:
100% Trevira CS polyester (1 mm & 265 gr/m²)
 b- Non-woven fabric in carbon (3 mm & 250 gr/m²)



| f (Hz) | T ₁ | T ₂ | α_s | α_p |
|--------|----------------|----------------|------------|------------|
| 100 | 8.49 | 6.98 | 0.08 | 0.25 |
| 125 | 8.45 | 4.66 | 0.30 | |
| 160 | 8.83 | 4.19 | 0.39 | |
| 200 | 9.17 | 2.90 | 0.74 | 0.90 |
| 250 | 9.10 | 2.48 | 0.92 | |
| 315 | 8.55 | 2.33 | 0.97 | |
| 400 | 8.61 | 2.23 | 1.04 | 1.00 |
| 500 | 8.77 | 2.25 | 1.03 | |
| 630 | 8.49 | 2.24 | 1.02 | |
| 800 | 8.00 | 2.18 | 1.04 | 1.00 |
| 1000 | 7.52 | 2.11 | 1.06 | |
| 1250 | 6.87 | 2.04 | 1.07 | |
| 1600 | 6.15 | 1.93 | 1.11 | 1.00 |
| 2000 | 5.26 | 1.78 | 1.17 | |
| 2500 | 4.38 | 1.63 | 1.22 | |
| 3150 | 3.46 | 1.44 | 1.29 | 1.00 |
| 4000 | 2.72 | 1.28 | 1.34 | |
| 5000 | 2.04 | 1.11 | 1.36 | |





Sound absorption coefficient, α_s

Evaluation according to EN ISO 11654:1997

Weighted sound absorption coefficient: $\alpha_w = 1,00$ Classification: **A**

Evaluation based on laboratory measurement obtained by an engineering method.

TEST REPORT Nº B2019-LACUS-IN-54 V

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CURTAIN ILUCS 4 SOUND-PROOFING / AISL. ACÚSTICO



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Laboratorio de Control de Calidad de la Edificación



EUSKO JAURLARITZA
GOBIERNO VASCO

AKUSTIKA ARLOA kudeatzailea:
ACOUSTICS AREA operated by:



Airborne Sound Insulation according to EN ISO 10140-2:2010 Laboratory Measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Result No.: B2021-146-M844

Test date: 20th May 2021

Test specimen: Curtain Ref. ISINAC CURTAIN, with folded arrangement.

Description: Each curtain panel is formed by 2 pieces sewn around the perimeter. Composition of each piece:

- Lucia CS fabric: 100% Trevira CS polyester (1 mm & 265 gr/m²), in face side
- Non-woven fabric in carbon (2,5 mm & 210 gr/m²), in hidden face

Folding: 9600 mm wide x 2800 mm high, which folding covers an area of 3600 mm wide x 2800 mm high.

Test arrangement: 6 panels joined by zipper, mechanically fixed to a perimeter wooden strip, mechanically fixed to a prefabricated concrete frame. Perimeter joint between sample and frame sealed by silicone.



Area, S, test: 10,08 m²

Estimated superficial mass: 2,5 kg/m²

Source room volume: 65 m³

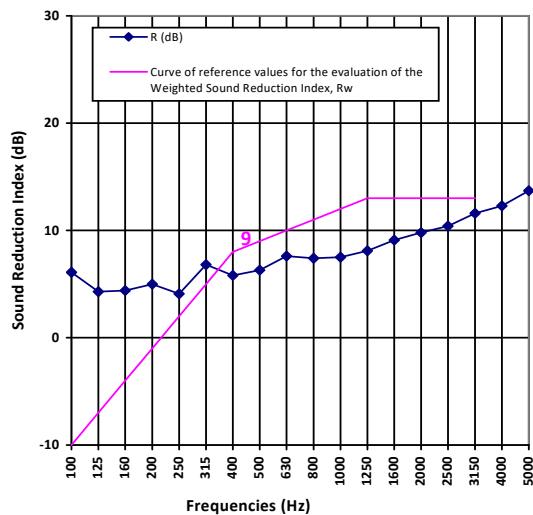
Receiving room volume: 55 m³

T_{rooms}: 21,1 °C

HR_{rooms}: 46 %

P_{rooms}: 965 mbar

| f (Hz) | R (dB) |
|--------|--------|
| 100 | 6,1 |
| 125 | 4,3 |
| 160 | 4,4 |
| 200 | 5,0 |
| 250 | 4,1 |
| 315 | 6,8 |
| 400 | 5,8 |
| 500 | 6,3 |
| 630 | 7,6 |
| 800 | 7,4 |
| 1000 | 7,5 |
| 1250 | 8,1 |
| 1600 | 9,1 |
| 2000 | 9,8 |
| 2500 | 10,4 |
| 3150 | 11,6 |
| 4000 | 12,3 |
| 5000 | 13,7 |



Rating according to EN ISO 717-1:2013: R_w(C;C_{tr}): 9 (-1; -2) dB

Rating according to CTE DB-HR: R_A: 9,0 dBA

Evaluation based on laboratory measurement results obtained by an engineering method



CURTAIN ILUCS 4 THERMAL INSULATION / AISL. TÉRMICO



INFORME DE ENSAYO / TEST REPORT

2024AN1970

FECHA DE RECEPCIÓN / DATE OF RECEPTION
Date Format: dd/MM/yyyy 07/08/2024

SOLICITANTE / APPLICANT

FECHA DE ENSAYOS / DATE TESTS
Inicio / Starting: 22/08/2024
Finalización / Ending: 28/08/2024

ISINAC ACOUSTIC WORLD SL
CALLE LOPEZ DE NEIRA 3, 3º, OFICINA 301,
ES-36203 Vigo (Pontevedra)
España

Att. Bernardo DM

IDENTIFICACIÓN Y DESCRIPCIÓN DE LAS MUESTRAS / IDENTIFICATION AND DESCRIPTION OF SAMPLES

| Referencia AITEX Reference by AITEX | Referencia Cliente Reference by customer | Descripción AITEX AITEX sample description |
|--|---|---|
| 2024AN1970-S01 | CORTINA ISINAC con tejido ILUCS de 4 CAPAS | Tejido Fabric |

ENSAYOS REALIZADOS / TESTS CARRIED OUT

- DETERMINACIÓN DE LA RESISTENCIA Y CONDUCTIVIDAD TÉRMICA / DETERMINATION OF THE THERMAL RESISTANCE AND CONDUCTIVITY.

Conductividad térmica (W/m·°K)
Thermal conductivity (W/m·°K)

| | |
|-------------------------|----------|
| Probeta 1 Specimen 1 | 0,038162 |
| Probeta 2 Specimen 2 | 0,038284 |
| Probeta 3 Specimen 3 | 0,038336 |

| CONDUCTIVIDAD TÉRMICA MEDIA Thermal conductivity | RESISTENCIA TÉRMICA MEDIA Thermal resistance |
|---|---|
| 0,038261 W/m °K | 0,152401 m ² K/W |

Los ensayos marcados con * no están amparados por la acreditación de ENAC.
Tests marked with * are not included within the scope of the ENAC accreditation.



CURTAIN ILUCS 8 SOUND-PROOFING / AISL. ACÚSTICO



MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

LABORATORIO DE ACÚSTICA

Sound Insulation according to EN ISO 10140-2:2021 Laboratory Measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 29/07/2025
RESULT No.: 118746-2

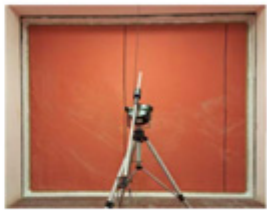
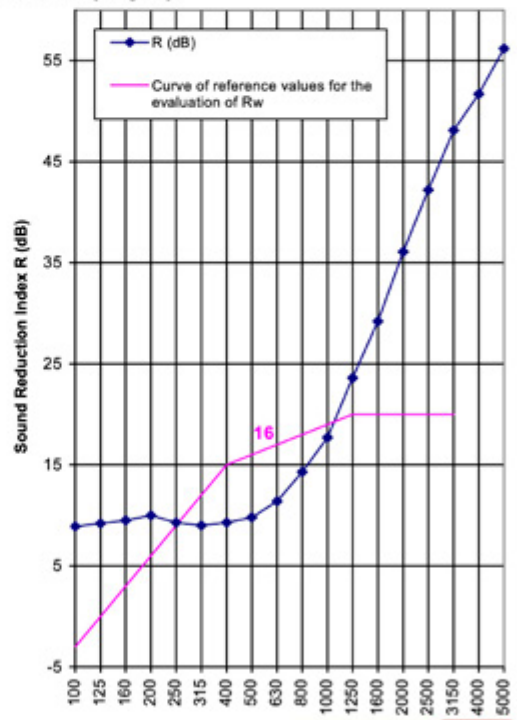
TEST SPECIMEN: Curtain Ref. *ISINAC CURTAIN ILUCS 8 layers.*

Description: Curtain formed by 8 layers:

1. ILUCS FABRIC - 100% POLYESTER TREVIRA CS [265 gr/m²]
2. PX210 FABRIC - 100% CARBON FIBER [210 gr/m²]
3. FV450 - FIBERGLASS [450 gr/m²]
4. SFV600 - FIBERGLASS + SILICONE ON BOTH SIDES [600 gr/m²]
5. FV450 - FIBERGLASS [450 gr/m²]
6. SFV600 - FIBERGLASS + SILICONE ON BOTH SIDES [600 gr/m²]
7. PX210 FABRIC - 100% CARBON FIBER [210 gr/m²]
8. ILUCS FABRIC - 100% POLYESTER TREVIRA CS [265 gr/m²]

Test arrangement: Panels stapled to a perimeter wooden strip, with perimeter joint sealed by silicone.

Estimated superficial mass: 3,1 kg/m²
 Test specimen area: 10,08 m²
 Source room volume: 66,9 m³
 Reception room volume: 56 m³

| f (Hz) | R (dB) |
|--------|--------|
| 100 | 8,9 |
| 125 | 9,2 |
| 160 | 9,5 |
| 200 | 10,0 |
| 250 | 9,3 |
| 315 | 9,0 |
| 400 | 9,3 |
| 500 | 9,8 |
| 630 | 11,4 |
| 800 | 14,3 |
| 1000 | 17,7 |
| 1250 | 23,6 |
| 1600 | 29,2 |
| 2000 | 36,1 |
| 2500 | 42,2 |
| 3150 | 48,1 |
| 4000 | 51,7 |
| 5000 | 56,2 |

Rating according to EN ISO 717-1:2021: **R_w (C;C₅₀): 16 (0; -2) dB**

Rating according to: **R_A: 17,0 dBA**

Evaluation based on laboratory measurement obtained by an engineering method

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04. CERTIFICATES

20mm IZZER HEXAGON - STUCK




AKUSTIKA ARLOA/AREA DE ACUSTICA
 Eraikuntzaren Kalitate Kontrolerako Laborategia
 Laboratorio de Control de Calidad de la Edificación

AKUSTIKA ARLOA kudeatzailea:
 AREA DE ACÚSTICA gestionada por:

Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result No.: B2021-146-M839
Test date: 3rd May 2021

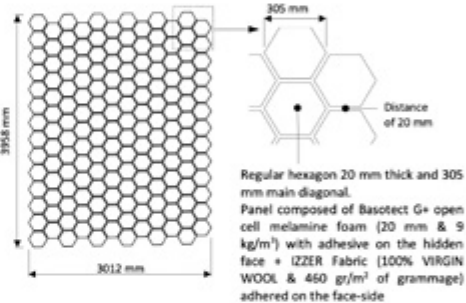
Test specimen: Configuration of panels *ISINAC de 2cm de espesor acabado izzzer adhered con autoadhesivo.*



Area, S, test: 11,92 m²
 Volume of reverberation room: 209,6 m³

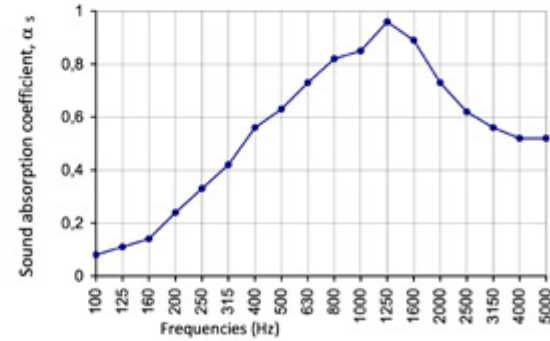
t₁: 18,4 °C
 HR₁: 52 %
 P₁: 961 mbar
 t₂: 18,4 °C
 HR₂: 52 %
 P₂: 963 mbar

1. Empty room
2. Room with the test specimen



Regular hexagon 20 mm thick and 305 mm main diagonal.
 Panel composed of Basotect G+ open cell melamine foam (20 mm & 9 kg/m³) with adhesive on the hidden face + IZZER Fabric (100% VIRGIN WOOL & 460 gr/m² of grammage) adhered on the face-side

| f (Hz) | T ₁ | T ₂ | α _s | α _p |
|--------|----------------|----------------|----------------|----------------|
| 100 | 8,75 | 7,07 | 0,08 | 0,10 |
| 125 | 8,17 | 6,24 | 0,11 | |
| 160 | 8,69 | 6,05 | 0,14 | 0,35 |
| 200 | 9,52 | 5,30 | 0,24 | |
| 250 | 9,42 | 4,47 | 0,33 | |
| 315 | 8,35 | 3,74 | 0,42 | 0,65 |
| 400 | 8,54 | 3,18 | 0,56 | |
| 500 | 9,00 | 3,01 | 0,63 | |
| 630 | 8,65 | 2,69 | 0,73 | 0,90 |
| 800 | 8,12 | 2,44 | 0,82 | |
| 1000 | 7,55 | 2,32 | 0,85 | |
| 1250 | 6,93 | 2,07 | 0,96 | 0,75 |
| 1600 | 6,21 | 2,11 | 0,89 | |
| 2000 | 5,29 | 2,23 | 0,73 | |
| 2500 | 4,39 | 2,24 | 0,62 | 0,55 |
| 3150 | 3,54 | 2,08 | 0,56 | |
| 4000 | 2,79 | 1,84 | 0,52 | |
| 5000 | 2,06 | 1,49 | 0,52 | |



Evaluation according to EN ISO 11654:1997:
Weighted sound absorption coefficient: α_w = 0,65 (M)

Evaluation based on laboratory measurement obtained by an engineering method.

Test Report No. B2021-LACUS-IN-146-1


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40mm IZZER SQUARE - STUCK



AKUSTIKA ARLOA/AREA DE ACUSTICA
Eraikuntzaren Kalitate Kontrolerako Laborategia
Laboratorio de Control de Calidad de la Edificación




AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result No.: B2021-146-M840
Test date: 4th May 2021
Test specimen: Configuration of panels ISINAC de 4cm de espesor acabado izzzer adhered con autoadhesivo.

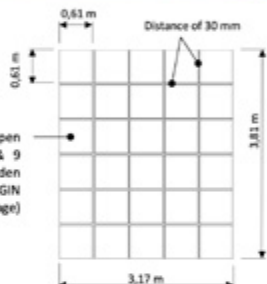


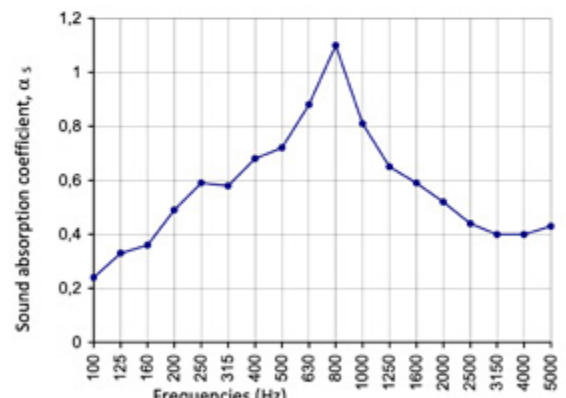
Area, S, test: 12,08 m²
 Volume of reverberation room: 209,6 m³

t₁: 18,4 °C
 HR₁: 52 %
 P₁: 961 mbar
 t₂: 18,7 °C
 HR₂: 54 %
 P₂: 959 mbar

1. Empty room
2. Room with the test specimen



Panel composed of Basotect G+ open cell melamine foam (40 mm & 9 kg/m³) with adhesive on the hidden face + IZZER Fabric (100% VIRGIN WOOL & 460 gr/m² of grammage) adhered on the face-side





| f (Hz) | T ₁ | T ₂ | α _s | α _{sp} |
|--------|----------------|----------------|----------------|-----------------|
| 100 | 8,75 | 5,01 | 0,24 | |
| 125 | 8,17 | 4,18 | 0,33 | 0,30 |
| 160 | 8,69 | 4,12 | 0,36 | |
| 200 | 9,52 | 3,57 | 0,49 | |
| 250 | 9,42 | 3,17 | 0,59 | 0,55 |
| 315 | 8,35 | 3,06 | 0,58 | |
| 400 | 8,54 | 2,77 | 0,68 | |
| 500 | 9,00 | 2,71 | 0,72 | 0,75 |
| 630 | 8,65 | 2,32 | 0,88 | |
| 800 | 8,12 | 1,94 | 1,10 | |
| 1000 | 7,55 | 2,36 | 0,81 | 0,85 |
| 1250 | 6,93 | 2,65 | 0,65 | |
| 1600 | 6,21 | 2,70 | 0,59 | |
| 2000 | 5,29 | 2,69 | 0,52 | 0,50 |
| 2500 | 4,39 | 2,61 | 0,44 | |
| 3150 | 3,54 | 2,38 | 0,40 | |
| 4000 | 2,79 | 2,02 | 0,40 | 0,40 |
| 5000 | 2,06 | 1,60 | 0,43 | |

Evaluation according to EN ISO 11654:1997:
Weighted sound absorption coefficient: α_w = 0,55 (M)
Evaluation based on laboratory measurement obtained by an engineering method





Test Report No. B2021-LACUS-IN-146-2 Page 7 of 7


40mm IZZER SQUARE - STUCK WITH AIR CHAMBER



AKUSTIKA ARLOA/AREA DE ACUSTICA
Eraikuntzaren Kalitate Kontrolerako Laborategia
Laboratorio de Control de Calidad de la Edificación




AKUSTIKA ARLOA kudeatzailea:
ÁREA DE ACÚSTICA gestionada por:



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result No.: B2021-146-M842
Test date: 24th June 2021
Test specimen: Suspended ceiling composed of panels 'ISINAC de 4cm de espesor acabado izzzer adhered' and 400 mm air chamber.
Test arrangement: Type E-440 mounting according to EN ISO 354:2003-Annex B.

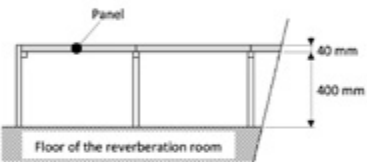


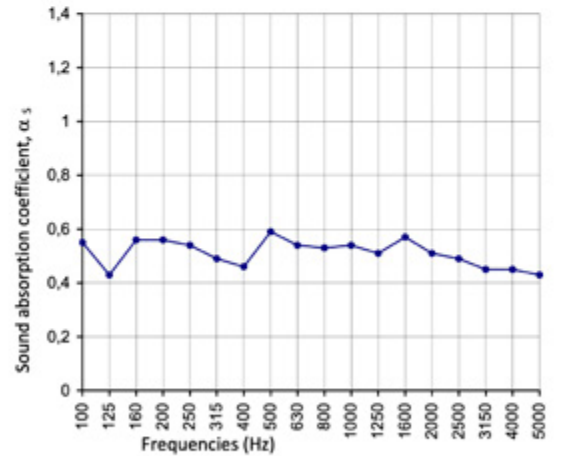
Area, S, test: 11,16 m²
 Volume of reverberation room: 209,6 m³

t₁: 20,4 °C
 HR₁: 61 %
 P₁: 958 mbar
 t₂: 19,8 °C
 HR₂: 57 %
 P₂: 966 mbar

1. Empty room
2. Room with the test specimen



Panel composed of Basotect G+ open cell melamine foam (40 mm & 9 kg/m³) + IZZER Fabric (100% VIRGIN WOOL & 460 gr/m² of grammage) adhered on the face-side.
 Panels support structure in MDF.





| f (Hz) | T ₁ | T ₂ | α _s | α _{sp} |
|--------|----------------|----------------|----------------|-----------------|
| 100 | 8,90 | 3,39 | 0,55 | |
| 125 | 7,96 | 3,72 | 0,43 | 0,50 |
| 160 | 8,92 | 3,36 | 0,56 | |
| 200 | 10,19 | 3,52 | 0,56 | |
| 250 | 9,74 | 3,56 | 0,54 | 0,55 |
| 315 | 8,93 | 3,65 | 0,49 | |
| 400 | 8,70 | 3,77 | 0,46 | |
| 500 | 9,29 | 3,30 | 0,59 | 0,55 |
| 630 | 8,96 | 3,45 | 0,54 | |
| 800 | 8,50 | 3,41 | 0,53 | |
| 1000 | 7,89 | 3,31 | 0,54 | 0,55 |
| 1250 | 7,10 | 3,25 | 0,51 | |
| 1600 | 6,43 | 2,93 | 0,57 | |
| 2000 | 5,53 | 2,85 | 0,51 | 0,50 |
| 2500 | 4,73 | 2,67 | 0,49 | |
| 3150 | 3,83 | 2,41 | 0,45 | |
| 4000 | 3,11 | 2,09 | 0,45 | 0,45 |
| 5000 | 2,33 | 1,70 | 0,43 | |


Evaluation according to EN ISO 11654:1997:
Weighted sound absorption coefficient: α_w = 0,55
Evaluation based on laboratory measurement obtained by an engineering method


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CURTAIN IZZER 1 LAYER / CAPA





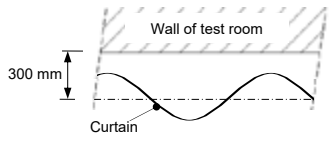
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE




EUSKO JAURLARITZA
GOBIERNO VASCO

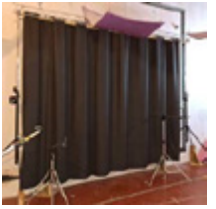
Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 27/11/2024
 RESULT No.: 115541-2
 TEST SPECIMEN: **ISINAC CURTAIN IZZER 1 LAYER** curtain, with folded arrangement and 300 mm of distance to the wall





IZZER FABRIC
100% VIRGIN WOOL
(~1,75 mm thick & 460 gr/m²)





Area, S, test: 10,91 m²
 Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,13 | 0,20 |
| 125 | 0,22 | |
| 160 | 0,32 | |
| 200 | 0,53 | 0,65 |
| 250 | 0,69 | |
| 315 | 0,77 | |
| 400 | 0,81 | 0,75 |
| 500 | 0,76 | |
| 630 | 0,73 | |
| 800 | 0,77 | 0,80 |
| 1000 | 0,77 | |
| 1250 | 0,83 | |
| 1600 | 0,85 | 0,85 |
| 2000 | 0,85 | |
| 2500 | 0,84 | |
| 3150 | 0,89 | 0,90 |
| 4000 | 0,89 | |
| 5000 | 0,92 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,80$






TEST REPORT No. 115541-2


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CURTAIN IZZER 4 LAYERS / CAPAS






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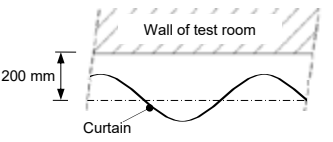
EUSKO JAURLARITZA
GOBIERNO VASCO

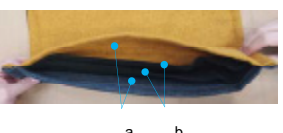
Departamento de Planificación Territorial,
Vivienda y Transportes
Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica




Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 31st January 2023
 RESULT No.: B2023-195-M954
 TEST SPECIMEN: **ISINAC CURTAIN IZZER** curtain, with folded arrangement and 200 mm of distance to the wall





a. **IZZER FABRIC**
100% WOOL460 gr/m²
b. **PX210 FABRIC**
100% CARBON FIBER 210 gr/m²




Area, S, test: 10,8 m²
 Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,15 | 0,30 |
| 125 | 0,32 | |
| 160 | 0,39 | |
| 200 | 0,79 | 0,90 |
| 250 | 0,92 | |
| 315 | 1,05 | |
| 400 | 1,11 | 1,00 |
| 500 | 1,07 | |
| 630 | 1,05 | |
| 800 | 1,02 | 1,00 |
| 1000 | 1,03 | |
| 1250 | 1,06 | |
| 1600 | 1,06 | 1,00 |
| 2000 | 1,10 | |
| 2500 | 1,17 | |
| 3150 | 1,22 | 1,00 |
| 4000 | 1,26 | |
| 5000 | 1,29 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 1,00$




Evaluation based on laboratory measurement obtained by an engineering method

TEST REPORT No. B2023-LACUS-IN-195-4


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CURTAIN IZZER 4 SOUND - PROOFING / AISL. ACÚSTICO






MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE



EUSKO JAURLANITZA
GOBIERNO VASCO




ENSAYOS
Nº 4 / L E 4 5 6

Airborne Sound Insulation according to EN ISO 10140-2:2021 Laboratory Measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
 TEST DATE: 21st February 2023
 RESULT No.: B2023-195-M958
 TEST SPECIMEN: Curtain **ISINAC CURTAIN IZZER**, with folded arrangement.

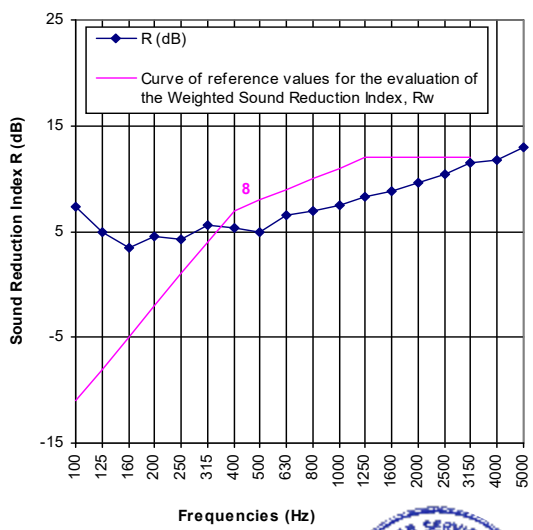
Description: Each curtain panel is formed by 4 layers sewn around the perimeter:
 - IZZER fabric 100% WOOL 460 gr/m², in exposed layers
 - PX210 FABRIC 100% CARBON FIBER 210 gr/m², in inner layers

Folding: 7200 mm wide x 2800 mm high, which folding covers an area of 3600 mm wide x 2800 mm high.
Test arrangement: 5 panels joined by zipper, mechanically fixed to a perimeter wooden strip, with perimeter joint sealed by silicone.




Area, S, test: 10,08 m²
 Estimated superficial mass: 2,7 kg/m²
 V_{src}: 66,8 m³ V_{rec}: 55,6 m³
 T_{src}: 21,0 °C T_{rec}: 20,3 °C
 H_{src}: 35 % H_{rec}: 37 %
 P_{src}: 960 mbar P_{rec}: 960 mbar
 V: volume; src: source room; rec: reception room

| f (Hz) | R (dB) |
|--------|--------|
| 100 | 7,3 |
| 125 | 5,0 |
| 160 | 3,5 |
| 200 | 4,5 |
| 250 | 4,3 |
| 315 | 5,6 |
| 400 | 5,3 |
| 500 | 5,0 |
| 630 | 6,6 |
| 800 | 7,0 |
| 1000 | 7,5 |
| 1250 | 8,3 |
| 1600 | 8,8 |
| 2000 | 9,6 |
| 2500 | 10,4 |
| 3150 | 11,5 |
| 4000 | 11,8 |
| 5000 | 12,9 |



Rating according to EN ISO 717-1:2021: R_w (C;C_{tr}): 8 (0; -1) dB
 Rating according to CTE DB-HR: R_A: 8,6 dBA



Evaluation based on laboratory measurement obtained by an engineering method.


TEST REPORT No. B2023-LACUS-IN-195-8
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04. CERTIFICATES

CURTAIN PX500 1 LAYER / CAPA





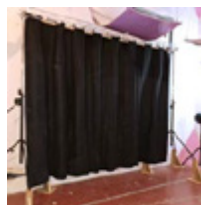
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

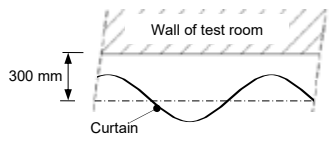



EUSKO JAURLANITZA
GOBIERNO VASCO

Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
 TEST DATE: 27/11/2024
 RESULT No.: 115541-1
 TEST SPECIMEN: **ISINAC CURTAIN PX500 1 LAYER** curtain, with folded arrangement and 300 mm of distance to the wall



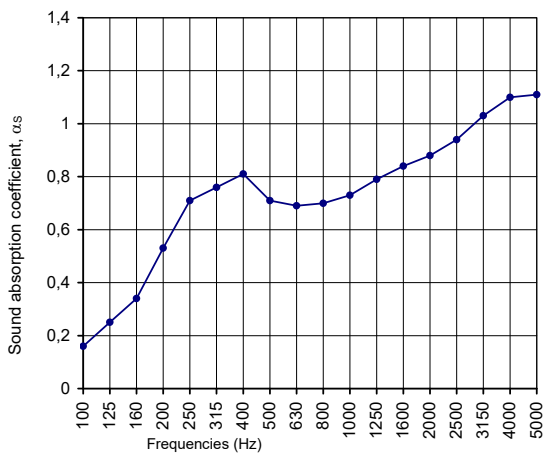
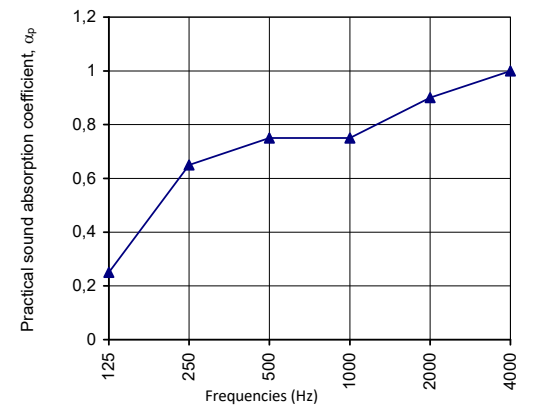
PX500 FABRIC
100% CARBON FIBER
(~5 mm thick & 500 gr/m²)



Area, S, test: 10,69 m²
 Reverberation room volume: 209,6 m³

| f (Hz) | α _s | α _p |
|--------|----------------|----------------|
| 100 | 0,16 | 0,25 |
| 125 | 0,25 | |
| 160 | 0,34 | |
| 200 | 0,53 | 0,65 |
| 250 | 0,71 | |
| 315 | 0,76 | |
| 400 | 0,81 | 0,75 |
| 500 | 0,71 | |
| 630 | 0,69 | |
| 800 | 0,70 | 0,75 |
| 1000 | 0,73 | |
| 1250 | 0,79 | |
| 1600 | 0,84 | 0,90 |
| 2000 | 0,88 | |
| 2500 | 0,94 | |
| 3150 | 1,03 | 1,00 |
| 4000 | 1,10 | |
| 5000 | 1,11 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

α_w = 0,80 (H)

TEST REPORT No. 115541-1
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04. CERTIFICATES

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04. CERTIFICATES


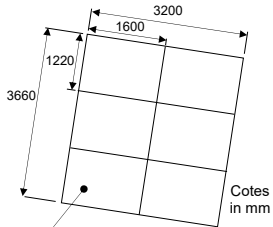
WB ILUCS 33mm



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

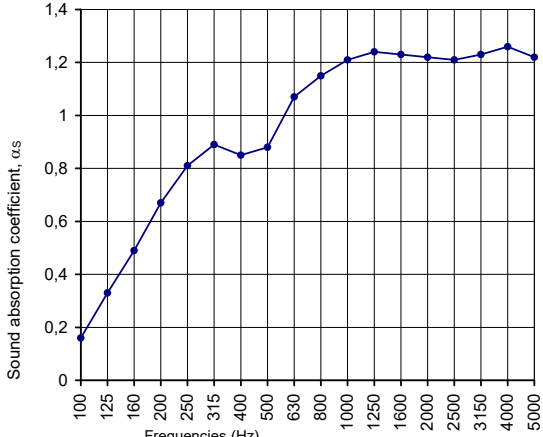
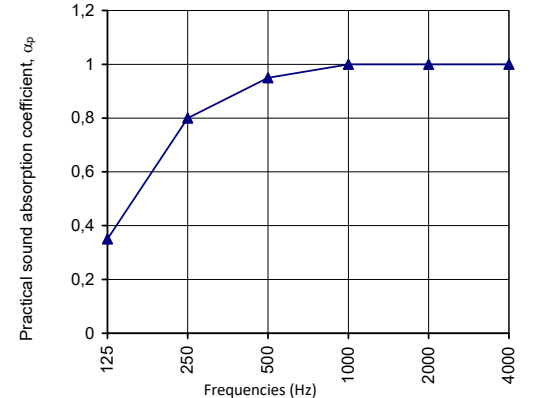
CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 31/01/2024
RESULT No.: 110259-5
TEST SPECIMEN:
Configuration of panels ISINAC WB ILUCS 33mm with a separation of 400 mm from a surface



33 mm thick panel composed of perimeter frame, with *ILUCS* fabric (100% Polyester Trevira CS & 265 gr/m²) on face and hidden side and Basotect G+ open cell melamine resin foam inside

Area, S, test: 11,71 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,16 | 0,35 |
| 125 | 0,33 | |
| 160 | 0,49 | |
| 200 | 0,67 | 0,80 |
| 250 | 0,81 | |
| 315 | 0,89 | |
| 400 | 0,85 | 0,95 |
| 500 | 0,88 | |
| 630 | 1,07 | |
| 800 | 1,15 | 1,00 |
| 1000 | 1,21 | |
| 1250 | 1,24 | |
| 1600 | 1,23 | 1,00 |
| 2000 | 1,22 | |
| 2500 | 1,21 | |
| 3150 | 1,23 | 1,00 |
| 4000 | 1,26 | |
| 5000 | 1,22 | |

| Weighted sound absorption coefficient according to EN ISO 11654:1997 | |
|--|--|
| $\alpha_w = 1,00$ | |



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04. CERTIFICATES


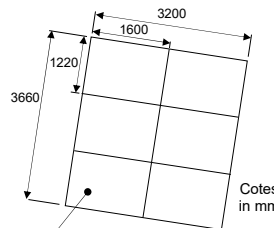
WB IMECO IZZER 33mm



Sound Absorption according to EN ISO 354:2003 Laboratory measurements

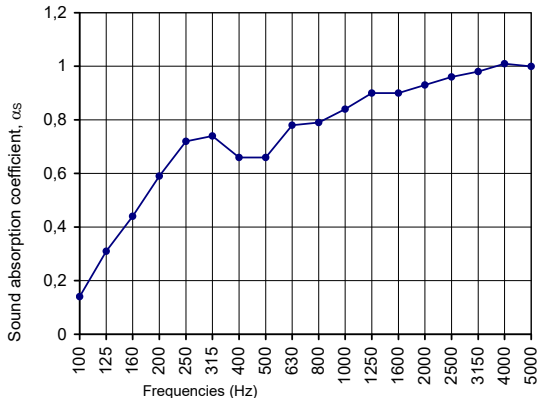
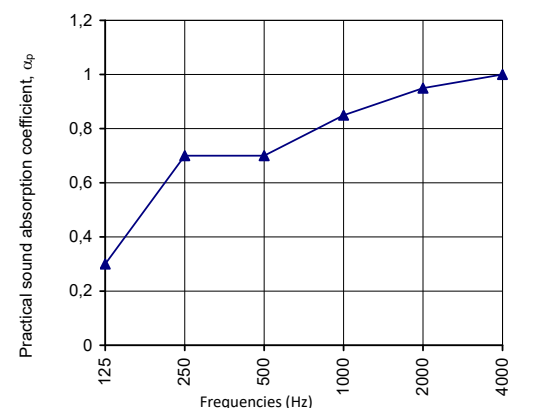
CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 30/01/2024
RESULT No.: 110259-4
TEST SPECIMEN:
Configuration of panels ISINAC WB IMECO 33mm with a separation of 400 mm from a surface



33 mm thick panel composed of perimeter frame, with *IZZER* fabric (100% Wool & 460 gr/m²) on face-side, *ILUCS* fabric (100% Polyester Trevira CS & 265 gr/m²) on hidden-side and *ISINAC* natural fibre inside

Area of test specimen: 11,71 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,14 | 0,30 |
| 125 | 0,31 | |
| 160 | 0,44 | |
| 200 | 0,59 | 0,70 |
| 250 | 0,72 | |
| 315 | 0,74 | |
| 400 | 0,66 | 0,70 |
| 500 | 0,66 | |
| 630 | 0,78 | |
| 800 | 0,79 | 0,85 |
| 1000 | 0,84 | |
| 1250 | 0,90 | |
| 1600 | 0,90 | 0,95 |
| 2000 | 0,93 | |
| 2500 | 0,96 | |
| 3150 | 0,98 | 1,00 |
| 4000 | 1,01 | |
| 5000 | 1,00 | |

| Weighted sound absorption coefficient according to EN ISO 11654:1997 | |
|--|--|
| $\alpha_w = 0,80$ (H) | |


TEST REPORT No. 110259-4 PAGE 7 / 7

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04. CERTIFICATES

TENS-TEX ILUCS 15mm






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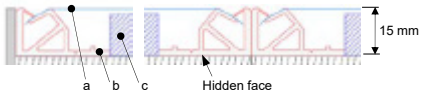
Departamento de Planificación Territorial, Vivienda y Transportes
Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica



ENAC
ENSAYOS
Nº 4 / L E 4 5 6

Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 8th February 2023
 RESULT No.: B2023-195-M957
 TEST SPECIMEN: **ISINAC TENSTEX ILUCS**
 Tensioned ILUCS fabric fixed to PVC perimeter profile, with open cell melamine foam covering the inner surface up to the edge of profile.


a. **ILUCS FABRIC**, 100% Polyester Trevira CS 265 gr/m²
 b. **PVC profile**
 c. **Basotect G+ open cell melamine foam**, 14 mm & 9 kg/m³, with adhesive on the hidden face

Area, S, test: 11,16 m²
 Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,04 | |
| 125 | 0,05 | 0,05 |
| 160 | 0,07 | |
| 200 | 0,14 | |
| 250 | 0,17 | 0,20 |
| 315 | 0,26 | |
| 400 | 0,41 | |
| 500 | 0,51 | 0,50 |
| 630 | 0,62 | |
| 800 | 0,73 | |
| 1000 | 0,79 | 0,80 |
| 1250 | 0,88 | |
| 1600 | 0,96 | |
| 2000 | 1,03 | 1,00 |
| 2500 | 1,05 | |
| 3150 | 1,07 | |
| 4000 | 1,09 | 1,00 |
| 5000 | 1,03 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,50$ (MH)



Evaluation based on laboratory measurement obtained by an engineering method


TEST REPORT No. B2023-LACUS-IN-195-7
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04. CERTIFICATES

TENS-TEX IZZER 15mm






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Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: **ISINAC ACOUSTIC WORLD, S.L.**
 TEST DATE: 8th February 2023
 RESULT No.: B2023-195-M955
 TEST SPECIMEN: **ISINAC TENSTEX IZZER**
 Tensioned IZZER fabric fixed to PVC perimeter profile, with open cell melamine foam covering the inner surface up to the edge of profile.


a. **IZZER FABRIC**, 100% WOOL 460 gr/m²
 b. **PVC profile**
 c. **Basotect G+ open cell melamine foam**, 14 mm thick & 9 kg/m³, with adhesive on the hidden face

Area, S, test: 11,16 m²
 Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,05 | |
| 125 | 0,07 | 0,05 |
| 160 | 0,09 | |
| 200 | 0,15 | |
| 250 | 0,19 | 0,20 |
| 315 | 0,28 | |
| 400 | 0,41 | |
| 500 | 0,49 | 0,50 |
| 630 | 0,60 | |
| 800 | 0,72 | |
| 1000 | 0,78 | 0,80 |
| 1250 | 0,85 | |
| 1600 | 0,93 | |
| 2000 | 1,00 | 1,00 |
| 2500 | 1,04 | |
| 3150 | 1,07 | |
| 4000 | 1,06 | 1,00 |
| 5000 | 1,04 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,50$ (MH)



Evaluation based on laboratory measurement obtained by an engineering method

TEST REPORT No. B2023-LACUS-IN-195-5
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04. CERTIFICATES

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04. CERTIFICATES

TENS-TEX IZZER 15mm NO FOAM / SIN ESPUMA






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GOBIERNO VASCO


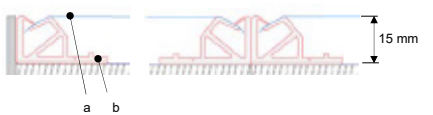
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Nº 4 / L E 4 5 6

Sound absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 8th February 2023
RESULT No.: B2023-195-M956
TEST SPECIMEN: **ISINAC TENSTEX IZZER OUT OF FOAM**
Tensioned IZZER fabric fixed to PVC perimeter profile.


a. IZZER FABRIC: 100% WOOL 460 gr/m²
b. PVC profile

Area, S, test: 11,16 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,04 | |
| 125 | 0,04 | 0,05 |
| 160 | 0,05 | |
| 200 | 0,08 | |
| 250 | 0,08 | 0,10 |
| 315 | 0,11 | |
| 400 | 0,17 | |
| 500 | 0,22 | 0,20 |
| 630 | 0,23 | |
| 800 | 0,24 | |
| 1000 | 0,26 | 0,25 |
| 1250 | 0,31 | |
| 1600 | 0,38 | |
| 2000 | 0,47 | 0,50 |
| 2500 | 0,59 | |
| 3150 | 0,71 | |
| 4000 | 0,82 | 0,80 |
| 5000 | 0,87 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,25$ (H)




Evaluation based on laboratory measurement obtained by an engineering method


TEST REPORT No. B2023-LACUS-IN-195-6 PAGE. 8 / 8

NENUFAR ILUCS 7mm





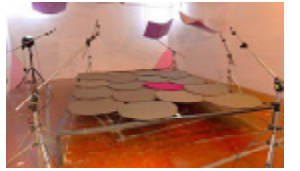
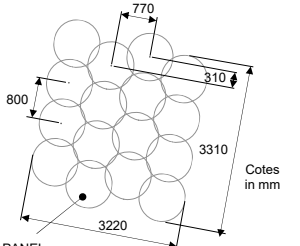
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GOBIERNO VASCO

Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 09/05/2024
RESULT No.: 110259-8
TEST SPECIMEN:
Configuration of panels ISINAC ILUCS+PX with a separation of 400 mm from a surface



PANEL: ILUCS fabric (100% Polyester Trevira CS & 265 gr/m²) on face and hidden side, with PX (non-woven fabric 100% carbon fiber, 5 mm thick and 500 gr/m²) inside

Area, S, test: 10,66 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α_s | α_p |
|--------|------------|------------|
| 100 | 0,10 | |
| 125 | 0,26 | 0,25 |
| 160 | 0,40 | |
| 200 | 0,57 | |
| 250 | 0,65 | 0,65 |
| 315 | 0,74 | |
| 400 | 0,68 | |
| 500 | 0,64 | 0,70 |
| 630 | 0,73 | |
| 800 | 0,83 | |
| 1000 | 0,84 | 0,85 |
| 1250 | 0,94 | |
| 1600 | 0,97 | |
| 2000 | 1,04 | 1,00 |
| 2500 | 1,08 | |
| 3150 | 1,16 | |
| 4000 | 1,17 | 1,00 |
| 5000 | 1,14 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

$\alpha_w = 0,80$ (H)

Evaluation based on laboratory measurement obtained by an engineering method

TEST REPORT No. 110259-8 PAGE 7 / 7

WH 40mm



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Centro politecnico di ricerche

Laboratorio di Acustica e Vibrazioni
Rif. PP016

Misura assorbimento acustico in camera riverberante
Foglio di calcolo ver. 3.0 (01/03/2010)

Norma tecnica: UNI EN ISO 354
 Committente:
 Descrizione del campione: ISINAC WH 40mm
 Numero commessa: 53337 del 28/06/2011
 Data di arrivo del materiale: 29/06/2011 Numero di accettazione del materiale: 2011/1496-B
 Data misura camera vuota: 06/07/2011 Data misura camera con campione: 06/07/2011
 Pressione atmosferica camera vuota: 101000 Pa Pressione atmosferica camera con campione: 101000 Pa
 Temperatura camera vuota: 26,2 °C Temperatura camera con campione: 26,2 °C
 Umidità relativa camera vuota: 67,5 % Umidità relativa camera con campione: 67,2 %
 Velocità suono camera vuota: 346,7 m/s Velocità del suono camera con campione: 346,7 m/s

| | | |
|--------------------------|-------|----------------|
| Volume della camera: | 218,8 | m ³ |
| Lunghezza del campione: | 3,502 | m |
| Larghezza del campione: | 3,007 | m |
| Superficie del campione: | 10,53 | m ² |

Coeficiente di assorbimento acustico Alfa [-]

Frequeza [Hz]

| Frequeza [Hz] | T1 [sec] | T2 [sec] | 4V/(m2-m) | A [m²] | Alfa | v eff | K | p =95% | Uc(u) |
|---------------|----------|----------|-----------|--------|------|-------|------|--------|-------|
| 100 | 6,24 | 5,75 | 0,0 | 0,5 | 0,05 | 19 | 2,00 | 0,03 | |
| 125 | 7,06 | 6,42 | 0,0 | 0,5 | 0,05 | 21 | 2,00 | 0,02 | |
| 160 | 7,18 | 6,11 | 0,0 | 0,9 | 0,09 | 18 | 2,00 | 0,04 | |
| 200 | 8,18 | 5,96 | 0,0 | 1,6 | 0,15 | 22 | 2,00 | 0,02 | |
| 250 | 8,53 | 5,14 | 0,0 | 2,7 | 0,26 | 13 | 2,00 | 0,02 | |
| 315 | 8,25 | 3,91 | 0,0 | 4,7 | 0,45 | 23 | 2,00 | 0,02 | |
| 400 | 7,98 | 2,89 | 0,0 | 7,7 | 0,73 | 13 | 2,00 | 0,04 | |
| 500 | 6,53 | 2,33 | 0,0 | 9,6 | 0,91 | 15 | 2,00 | 0,04 | |
| 630 | 5,69 | 2,09 | 0,0 | 10,6 | 1,01 | 17 | 2,00 | 0,03 | |
| 800 | 5,23 | 2,41 | 0,0 | 7,8 | 0,74 | 27 | 2,00 | 0,02 | |
| 1000 | 4,82 | 2,56 | 0,0 | 6,4 | 0,61 | 17 | 2,00 | 0,03 | |
| 1250 | 4,59 | 2,38 | 0,0 | 7,1 | 0,67 | 14 | 2,00 | 0,07 | |
| 1600 | 3,99 | 2,12 | 0,0 | 7,7 | 0,73 | 14 | 2,00 | 0,03 | |
| 2000 | 3,75 | 2,01 | 0,0 | 8,1 | 0,77 | 14 | 2,00 | 0,04 | |
| 2500 | 3,49 | 2,02 | 0,0 | 7,3 | 0,69 | 23 | 2,00 | 0,02 | |
| 3150 | 3,25 | 2,02 | 0,0 | 6,5 | 0,62 | 13 | 2,00 | 0,03 | |
| 4000 | 2,99 | 2,00 | 0,0 | 5,8 | 0,55 | 18 | 2,00 | 0,02 | |
| 5000 | 2,64 | 1,86 | 0,0 | 5,5 | 0,52 | 18 | 2,00 | 0,02 | |

| Frequeza [Hz] | Alfa | Alfa rif. | Tipo Scarto | Tipo Scartoz0,25 |
|---------------|------|-----------|-------------|------------------|
| 125 | 0,05 | - | - | - |
| 250 | 0,30 | 0,40 | -0,10 | - |
| 500 | 0,90 | 0,60 | -0,30 | M |
| 1000 | 0,65 | 0,60 | -0,05 | - |
| 2000 | 0,75 | 0,60 | -0,15 | - |
| 4000 | 0,55 | 0,50 | -0,05 | - |

| Classe: | Alfa w |
|---------|-----------|
| A | 0.90-1 |
| B | 0.80-0.85 |
| C | 0.60-0.75 |
| D | 0.30-0.55 |
| E | 0.25-0.15 |
| N.C. | 0.10-0.00 |

| | | | |
|---------------------|------|------------|------|
| Alfa _w = | 0,60 | Incertezza | 0,02 |
|---------------------|------|------------|------|

DATA E FIRMA R.T.

ELYSIUM ILUCS RANDOM PLACEMENT



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Laboratorio de Control de Calidad de la Edificación

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ÁREA DE ACÚSTICA gestionada por:
tecnalia

Sound absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Test specimen: ISINAC ELIPTIC Bass Trap (randomly distributed)

Test date: 06/11/2019
Result N°: B2019-83-M658

Reverberation room volume: 209,6 m³
Number of used samples: 3 (1230 mm high x 610 mm x 305 mm)
Arrangement: samples randomly distributed

| | | | |
|-------------------|----------|-------------------|----------|
| t ₁ : | 19,6 °C | t ₂ : | 19,8 °C |
| HR ₁ : | 59 % | HR ₂ : | 58 % |
| P ₁ : | 954 mbar | P ₂ : | 951 mbar |

1. Empty room
2. Room with test specimen

| f (Hz) | A _{obj} (m ²) | |
|--------|------------------------------------|-------------|
| | 1/3 octave band | Octave band |
| 100 | 0.7 | |
| 125 | 0.9 | 0.9 |
| 160 | 1.1 | |
| 200 | 1.6 | |
| 250 | 2.0 | 1.9 |
| 315 | 2.1 | |
| 400 | 2.1 | |
| 500 | 2.0 | 2.1 |
| 630 | 2.1 | |
| 800 | 2.1 | |
| 1000 | 2.0 | 2.0 |
| 1250 | 2.0 | |
| 1600 | 2.0 | |
| 2000 | 2.0 | 2.0 |
| 2500 | 1.9 | |
| 3150 | 1.9 | |
| 4000 | 1.8 | 1.8 |
| 5000 | 1.8 | |

Object's equivalent sound absorption area, A_{obj} (m²)

Frecs. (Hz)

Evaluation based on laboratory measurement obtained by an engineering method.

Additional information: Absorption coefficients calculated for the surface of the object:

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|------------------|-----|-----|-----|------|------|------|
| α _{obj} | 0.4 | 0.8 | 0.9 | 0.8 | 0.8 | 0.7 |

Test Report No B2019-LACUS-IN-83 II

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ELYSIUM ILUCS CORNER / ESQUINA



PX500



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Sound absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.

Test date: 08/11/2019

Test specimen: ISINAC ELIPTIC Bass Trap (distributed in the corners)

Result Nº: B2019-83-M659

Reverberation room volume: 209,6 m³

Number of used samples: 3 (1230 mm high x 610 mm x 305 mm)

Arrangement: samples in the corners of the reverberation room

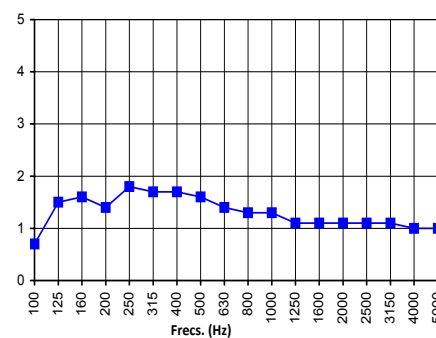
t₁: 19,8 °C t₂: 19,7 °C
HR₁: 58 % HR₂: 55 %
P₁: 950 mbar P₂: 950 mbar

1. Empty room
2. Room with test specimen



| f (Hz) | A _{obj} (m ²) | |
|--------|------------------------------------|-------------|
| | 1/3 octave band | Octave band |
| 100 | 0.7 | 1.3 |
| 125 | 1.5 | |
| 160 | 1.6 | |
| 200 | 1.4 | 1.6 |
| 250 | 1.8 | |
| 315 | 1.7 | |
| 400 | 1.7 | 1.6 |
| 500 | 1.6 | |
| 630 | 1.4 | |
| 800 | 1.3 | 1.2 |
| 1000 | 1.3 | |
| 1250 | 1.1 | |
| 1600 | 1.1 | 1.1 |
| 2000 | 1.1 | |
| 2500 | 1.1 | |
| 3150 | 1.1 | 1.0 |
| 4000 | 1.0 | |
| 5000 | 1.0 | |

Object's equivalent sound absorption area, A_{obj} (m²)



Evaluation based on laboratory measurement obtained by an engineering method



Additional information: Absorption coefficients calculated for the surface of the object:

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|------------------|-----|-----|-----|------|------|------|
| α _{obj} | 0,5 | 0,7 | 0,7 | 0,5 | 0,5 | 0,4 |

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Absorción Acústica según UNE-EN ISO 354:2004 Medidas en Laboratorio

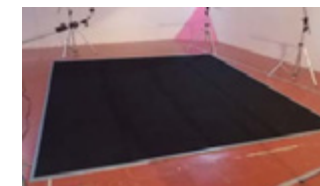
Solicitante: ISINAC ACOUSTIC WORLD, S.L.

Nº Resultado: B2018-19-M530

Fecha Ensayo: 28/06/2018

Muestra: PX500

Configuración: Montaje tipo A según Anexo B de UNE-EN ISO 354:2004.



Área, S, ensayo: 11,84 m² Volumen sala reverberante: 209,6 m³

t₁: 21,4 °C

HR₁: 65 %

P₁: 957 mbar

t₂: 21,5 °C

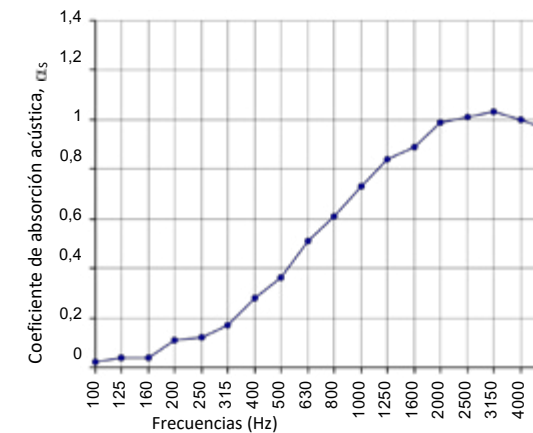
HR₂: 62 %

P₂: 955 mbar

1. Sala Vacía.
2. Muestra en la Sala.



| f (Hz) | T1 | T2 | α _s | α _p |
|--------|------|------|----------------|----------------|
| 100 | 9,25 | 8,76 | 0,02 | 0,05 |
| 125 | 8,37 | 7,48 | 0,04 | |
| 160 | 8,97 | 7,86 | 0,04 | |
| 200 | 9,76 | 7,08 | 0,11 | 0,15 |
| 250 | 9,63 | 6,82 | 0,12 | |
| 315 | 8,94 | 5,85 | 0,17 | |
| 400 | 8,90 | 4,76 | 0,28 | 0,40 |
| 500 | 9,04 | 4,19 | 0,36 | |
| 630 | 8,76 | 3,41 | 0,51 | |
| 800 | 8,30 | 2,98 | 0,61 | 0,75 |
| 1000 | 7,82 | 2,60 | 0,73 | |
| 1250 | 7,02 | 2,28 | 0,84 | |
| 1600 | 6,35 | 2,13 | 0,89 | 0,95 |
| 2000 | 5,56 | 1,90 | 0,99 | |
| 2500 | 4,76 | 1,77 | 1,01 | |
| 3150 | 3,92 | 1,62 | 1,03 | 1,00 |
| 4000 | 3,17 | 1,49 | 1,00 | |
| 5000 | 2,44 | 1,33 | 0,96 | |



Evaluación según UNE-EN ISO 11654:1998

Coefficiente de absorción sonora ponderado:

α_w = 0,40 (MH)

Clasificación:

D

Evaluación basada en medidas de laboratorio mediante método de ingeniería.



HYBRID



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Sound absorption according to EN ISO 354:2003 Laboratory measurements

Applicant: ISINAC ACOUSTIC WORLD, S.L.
Result N°: B2019-83-M657
Test date: 30th October 2019
Test specimen: Configuration of ISINAC HYBRID panels.
Test arrangement: Type A mounting according to EN SO 354:2003.

Area, S, test: 11,8 m²
Reverberation room volume: 209,6 m³

t₁: 19,8 °C
HR₁: 60,0 %
P₁: 957 mbar
t₂: 20,0 °C
HR₂: 62 %
P₂: 959 mbar

1. Empty room
2. Room with test specimen

| f (Hz) | T ₁ | T ₂ | α _s | α _p |
|--------|----------------|----------------|----------------|----------------|
| 100 | 10.27 | 4.15 | 0.41 | 0.50 |
| 125 | 8.56 | 3.42 | 0.50 | |
| 160 | 8.39 | 2.92 | 0.64 | 0.95 |
| 200 | 8.99 | 2.51 | 0.82 | |
| 250 | 8.95 | 2.17 | 1.00 | 1.00 |
| 315 | 8.08 | 2.12 | 1.00 | |
| 400 | 8.21 | 1.95 | 1.12 | 0.95 |
| 500 | 8.38 | 2.05 | 1.05 | |
| 630 | 8.03 | 2.01 | 1.06 | 0.95 |
| 800 | 7.22 | 2.02 | 1.02 | |
| 1000 | 6.80 | 2.09 | 0.95 | 0.90 |
| 1250 | 6.30 | 2.04 | 0.95 | |
| 1600 | 5.73 | 1.96 | 0.96 | 0.90 |
| 2000 | 5.09 | 1.87 | 0.97 | |
| 2500 | 4.32 | 1.81 | 0.92 | 0.90 |
| 3150 | 3.57 | 1.68 | 0.91 | |
| 4000 | 2.87 | 1.53 | 0.89 | 0.90 |
| 5000 | 2.19 | 1.31 | 0.90 | |

Evaluation according to EN ISO 11654:1997

| | |
|--|-----------------|
| Weighted sound absorption coefficient: | Classification: |
| α_w = 1 | A |

Evaluation based on laboratory measurement obtained by an engineering method.

Test Report No B2019-LACUS-IN-83 I

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WB HP ILUCS 140mm



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Sound Absorption according to EN ISO 354:2003 Laboratory measurements

CLIENT: ISINAC ACOUSTIC WORLD, S.L.
TEST DATE: 25/04/2024
RESULT No.: 110259-7
TEST SPECIMEN:
Configuration of panels ISINAC WB HIGH PERFORMANCE with a separation of 400 mm from a surface

PANEL:

- ILUCS fabric (100% Polyester Trevira CS & 265 gr/m²) on face-side and covering edge of perimeter frame
- Perimeter fireproof MDF frame
- Basotect G+ open cell melamine resin foam (9 kg/m³), 33 and 60 mm
- 3 mm fireproof MDF on hidden side

Area, S, test: 11,79 m²
Reverberation room volume: 209,6 m³

| f (Hz) | α _s | α _p |
|--------|----------------|----------------|
| 100 | 0.43 | 0.65 |
| 125 | 0.65 | |
| 160 | 0.88 | 0.95 |
| 200 | 1.05 | |
| 250 | 0.91 | 1.00 |
| 315 | 0.94 | |
| 400 | 1.04 | 1.00 |
| 500 | 1.10 | |
| 630 | 1.09 | 1.00 |
| 800 | 1.13 | |
| 1000 | 1.09 | 1.00 |
| 1250 | 1.09 | |
| 1600 | 1.09 | 1.00 |
| 2000 | 1.11 | |
| 2500 | 1.14 | 1.00 |
| 3150 | 1.13 | |
| 4000 | 1.15 | 1.00 |
| 5000 | 1.07 | |

Weighted sound absorption coefficient according to EN ISO 11654:1997

α_w = 1,00

TEST REPORT No. 110259-7

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FIRE - FOAM / ESP.MINERAL 40mm



RESULTS OBTAINED

RESULTS OF THE EN 13823 TEST

| TEST SPECIMEN | THR ₆₀₀ (MJ) | FIGRA _{0,2 MJ} (W/s) | FIGRA _{0,4 MJ} (W/s) | TSP _{600 s} (m ²) | SMOGRA (m ² /s ²) | LFS | DROP T≤10 s | DROP T>10 s |
|---------------|-------------------------|-------------------------------|-------------------------------|--|--|--------|-------------|-------------|
| 1 | 1.11 | 124.31 | 0.00 | 46.50 | 63.15 | < edge | No | No |
| 2 | 1.74 | 201.67 | 86.36 | 36.21 | 68.24 | < edge | No | No |
| 3 | 1.03 | 97.44 | 30.63 | 29.66 | 65.10 | < edge | No | No |
| Mean | 1.29 | 141.44 | 39.00 | 37.46 | 65.50 | < edge | No | No |

OBSERVATIONS:

Darkening and vertical propagation was observed in the test specimens during the first minute. The material is consumed.

In the second minute, a gap opens up in the corner of the three test specimens.

In addition, the following data was registered:

Maximum carbonised distance at a height of 500 mm and 1000 mm from the lower edge:

- Test specimen 1 (mm): —
- Test specimen 2 (mm): —
- Test specimen 3 (mm): —

NOTE: "The test results correspond to the performance of test samples of a product, under the specific test conditions. They do not intend to constitute the only potential fire risk assessment criterion that could result in the use of the product".

The Annexes include the graphs corresponding to the heat release and smoke production rates.



4. CLASSIFICATION

In accordance with standard EN 13501-1:2018, the open-cell melamine foam samples with self-adhesive on the non-exposed side with reference «ISINAC de 4cm de espesor con autoadhesivo sin revestimiento textil» received on 15 April 2019 were granted the following reaction to fire classification:

Reaction to Fire Classification: C-s2,d0

This classification is valid when the open-cell melamine foam with self-adhesive on the non-exposed side referenced as «ISINAC de 4cm de espesor con autoadhesivo sin revestimiento textil» is used as a construction product, except as a floor covering.

Reaction to Fire Classification in 20mm: C-S1-D0

Reaction to Fire Classification in 60mm: C-S2-D0





RESULTS OBTAINED

RESULTS OF THE EN 13823 TEST

| TEST SPECIMEN | THR ₆₀₀ (MJ) | FIGRA _{0,2 MJ} (W/s) | FIGRA _{0,4 MJ} (W/s) | TSP _{600 S} (m ²) | SMOGR _A (m ² , s ²) | LFS | DROP _{T≤10 s} | DROP _{t>10 s} |
|---------------|-------------------------|-------------------------------|-------------------------------|--|---|--------|------------------------|---------------------------|
| 1 | 2.89 | 52.55 | 45.32 | 136.74 | 55.15 | < edge | No | No |
| 2 | 3.42 | 61.14 | 61.14 | 170.39 | 45.47 | < edge | No | No |
| 3 | 2.81 | 63.89 | 39.95 | 159.28 | 47.47 | < edge | No | No |
| Mean | 3.04 | 59.19 | 48.80 | 155.47 | 49.36 | < edge | No | No |

OBSERVATIONS:

Vertical propagation was observed in the test specimens during the first minute. In the second minute and in all three test specimens, the material is consumed at the junction of the samples and gaps appear.

In addition, the following data was registered:

Maximum carbonised distance at a height of 500 mm and 1000 mm from the lower edge:

Test specimen 1 (mm): —
Test specimen 2 (mm): —
Test specimen 3 (mm): —

NOTE: "The test results correspond to the performance of test samples of a product, under the specific test conditions. They do not intend to constitute the only potential fire risk assessment criterion that could result in the use of the product".

The Annexes include the graphs corresponding to the heat release and smoke production rates.



4. CLASIFICACIÓN


De acuerdo con la norma EN 13501-1:2018, las muestras referenciadas como « **ISINAC de 4cm de espesor con autoadhesivo revestido en notejido negro A0** » de muestras de espuma de melamina de celda abierta "Basotec" revestido de tejido negro y con adhesivo en la cara no vista recibidas el día 15 de abril de 2019 reciben la siguiente clasificación de Reacción al Fuego:


Clasificación de Reacción al Fuego: B-s2, d0

Esta clasificación es válida cuando el producto de referencia « **ISINAC de 4cm de espesor con autoadhesivo revestido en notejido negro A0** » de muestras de espuma de melamina de celda abierta revestido de tejido negro y con adhesivo en la cara no vista, se emplea como producto de la construcción excepto como revestimiento de suelo.

TREVIRA CS TRADEMARK - ILUCS







Approval of the Trademark Trevira CS®

ISINAC ACOUSTIC WORLD SL
Avenida de Ramón Nieto, 125
36205 Vigo
Spain

Application No.: 210093.1 / 210094.1 / 210095.1
Date of issue: 19.07.2023
Valid until: 23.02.2026

Article name: ILUCS
End use: Drapes
Curtains
Upholstery fabrics
Wall coverings
Transport sector

Square weight (g/m²): 265
According to customer specification
Composition of the raw materials: Polyester 100%
Composition of the fabric: Trevira CS 100%

The collection "ILUCS" is granted approval for the trademark Trevira CS® for interior use.

The approval of the collection is based on the trademark test results of application no. 210093 col rum / 210094 col panama / 210095 col havana
This collection has been tested according to DIN 4102 part 1, 6.2 and thus also meet the requirements for fire class DIN 4102-B1.

This collection has been tested according to the French Standard NF P 92-504 (Propagation de flamme) and thus also meets the requirements for class M1 according to NF P 92-503, 92-505 and 92-507.
This collection meets the requirements according to EN 1021-1 and -2:2014 in conjunction with polyurethan foams with a density of more than 30 kg/m³.
This collection qualifies for class B-s1, d0 according to the European Standard EN 13501-1.
Trevira CS has been approved by the DIBt with the General Building Inspectorate Approval, Approval No. Z-56.25-3573 dd. 24 April 2018.
This collection meets also the requirements according to British Standard BS 5867 part 2 type C.


Indorama Ventures Fibers Germany GmbH
(This document is valid without signature.)

Indorama Ventures Fibers Germany GmbH, Trademark Service, Max-Fischer-Straße 11, 86399 Bobingen, Germany
E-Mail: trademarkservice.IVFG@de.indorama.net

Page 1 of 1

FIRE - ILUCS





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@btg.co.uk
: www.bttg.co.uk

Date: 30 November 2021
Our Ref: 27/05749D/11/21
Your Ref: ---
Page: 8 of 9


Client: ISINAC ACOUSTIC WORLD SL

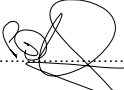
Results

| Classification criteria | Specimen | | | Mean | Class |
|--------------------------------|----------|------|------|------|-------|
| | 1 | 2 | 3 | | |
| FIGRA _{0.2M1} (W/s) | 21.3 | 28.2 | 17.4 | 22.3 | B |
| FIGRA _{0.4M1} (W/s) | 16.5 | 27.6 | 12.4 | 18.8 | |
| THR _{600s} (MJ) | 1.4 | 1.5 | 1.3 | 1.4 | |
| LFS to edge (yes or no) | No | No | No | No | |
| SMOGRA (m²/s²) | 0 | 0 | 0 | 0 | s1 |
| TSP _{600s} (m²) | 29.5 | 37.6 | 32.5 | 33.2 | |
| FDP flaming ≤ 10 s (yes or no) | No | No | No | No | d0 |
| FDP flaming > 10 s (yes or no) | No | No | No | No | |



Note
The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criteria for assessing the potential fire hazard of the product in use.

Comment
The results meet the requirements of a Class B, s1, d0, as specified in BS EN 13501-1:2018.
An estimation of uncertainty of measurement has been taken into account when making a judgment to any pass/fail criteria. Under our Policy we have used a non-binary decision rule.
See our Decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.

Reported by:  A Shute, Senior Lab Technician

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.

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A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
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The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.
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IMO - ILUCS



INFORME DE ENSAYO / TEST REPORT

2024AU1433

FECHA DE RECEPCIÓN / DATE OF RECEPTION
Date Format: dd/MM/yyyy 28/10/2024

SOLICITANTE / APPLICANT

FECHA DE ENSAYOS / DATE TESTS
Inicio / Starting: 05/11/2024
Finalización / Ending: 13/11/2024

ISINAC ACOUSTIC WORLD SL
CALLE LOPEZ DE NEIRA 3, 3º, OFICINA 301,
ES-36203 Vigo (Pontevedra)
España

IDENTIFICACIÓN Y DESCRIPCIÓN DE LAS MUESTRAS / IDENTIFICATION AND DESCRIPTION OF SAMPLES

| Referencia AITEX Reference by AITEX | Referencia Cliente Reference by customer | Descripción AITEX AITEX sample description |
|--|---|---|
| 2024AU1433-S01 | ILUCS | Tejido Fabric |

ENSAYOS REALIZADOS / TESTS CARRIED OUT

- RESOLUCIÓN IMO MSC.307 (88) – (CODIGO PEF 2010) - ANEXO 1 PARTE 7 (CÓDIGO PEF 2010) + IMO MSC.1 / CIRC.1456 – ENSAYO DE TEXTILES Y PELICULAS COLOCADOS VERTICALMENTE.

Los ensayos marcados con * no están amparados por la acreditación de ENAC.
Tests marked with * are not included within the scope of the ENAC accreditation.



2024AU1433

**Nota****Remark**

Los resultados siguientes se refieren al comportamiento de las muestras de un producto en las condiciones concretas en que se someten a ensayo y no se pretende que constituyan el único criterio para evaluar el riesgo de incendio que pueda entrañar el producto al ser utilizado.
The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Características de la combustión**Ignition characteristics**

Durante el ensayo observa escasa emisión de humos grises. Al finalizar el mismo, el aspecto de la zona destruida es de perforación por fusión del material.
There is a scarce moderate emission of grey smoke. The appearance of the destroyed area at the end of the test is one of perforation through material fusion.

Conclusiones**Conclusions**

El material sometido a ensayo **CUMPLE** los criterios de comportamiento de la sección 3 de la Parte 7 del CÓDIGO PEF 2010 (RESOLUCIÓN IMO MSC.307) 88 (ANEXO 1).

Tested material FULFILL the performance criteria in paragraph 3 of FTP CODE 2010 Part 7 (IMO Resolution MSC.307) 88 (Annex 1)

Criterios**Criteria**

Los productos que muestren una de las siguientes características se consideraran NO APTOS para ser utilizados como cortinas, ornamentos colgantes o tejidos que cuelguen libremente en locales que contengan mobiliario y enseres cuyo riesgo de incendio sea reducido.

Products showing one of the following characteristics will considered NOT SUITABLE to be used as curtains, vertically suspended decorative fabrics or drapery in premises containing furniture and furnishings where fire risk is reduced.

- 1) Persistencia de llama durante más de cinco segundos en cualquiera de las 10 o más muestras sometidas a la aplicación superficial de la llama de ensayo.
Flame persistence for more than five seconds in any one of the 10 or more specimens submitted to the surface application of the flame test.
- 2) Combustión, hasta uno cualquiera de los bordes, en una cualquiera de las 10 o más muestras sometidas a la aplicación superficial de la llama de ensayo.
Ignition of the material up to any one of the edges in any of the 10 or more specimens under the surface application of the flame test.
- 3) Ignición del algodón en rama (algodón quirúrgico) colocado debajo de la muestra, al someter a ensayo cualquiera de las 10 muestras.
Ignition of cotton fibre (surgical cotton) positioned below the specimen, during the testing of any one of the 10 specimens.
- 4) Longitud media de la parte carbonizada superior a 150 mm observada en uno cualquiera de los lotes de cinco muestras sometidas al ensayo de ignición, sea esta superficial o del borde.
Average length of the charred area above 150 mm observed in any of the five batches of samples submitted to the testing of ignition, whether surface or edge.
- 5) Llamarada superficial que se propague hasta más de 100 mm medidos desde el punto de ignición, con o sin carbonización de la textura básica.
External flash spreading more than 100 mm measured from the point of ignition, with or without charring of the basic texture.


///

TREVIRA CS TRADEMARK - ILUCS IMECO




FIRE - IZZER





An Indorama Ventures Company



Approval of the Trademark Trevira CS eco®

ISINAC Acoustic World
 Av. Ramon Nieto 125
 36205 Vigo (Pontevedra)
 Spain

Application No.: 210218
Date of issue: 30.03.2021
Valid until: 30.03.2026

Article name: ILUCS IMECO
End use: 280
Square weight (g/m²): 280
 According to customer specification: 100% Polyester
Composition of the raw materials: 50% Post-consumer recycled
Composition of the fabric: 50% Trevira CS


Yarn: Warp, 167 f 32 x 4 dtex Trevira® Type 41053865 Type5CVM,
 Yarn supplier Trevira GmbH
 Weft, 167 f 32 x 4 dtex Trevira® Type 41053865 Type5CVM,
 Yarn supplier Trevira GmbH

The tested article ILUCS IMECO with application no. 210218 is granted approval for the trademark Trevira CS eco® for interior use. The article was tested according to DIN 4102 part 1, 6.2 and part 16 and meets the requirements for fire class DIN 4102-B1, see attached Test Report no. 210146 dd. 24.03. 2021 from Warringtonfire Frankfurt.

Trevira GmbH
 (This document is valid without signature.)

Trevira GmbH, Trademark Service, Max-Fischer-Straße 11, 86399 Bobingen, Germany
 E-Mail: trademark.service@trevira.com

Page 1 of 1



TESTING • CERTIFICATION • AUDITING

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
 Telephone: +44 (0) 113 259 1999
 Email: info@btg.co.uk
www.bttg.co.uk

Date: 30 November 2021
 Our Ref: 27/05749B/11/21
 Your Ref: ---
 Page: 8 of 9


Client: ISINAC Acoustic World


Results

| Classification criteria | Specimen | | | Mean | Class |
|--------------------------------|----------|-------|-------|-------|-------|
| | 1 | 2 | 3 | | |
| FIGRA0.2MJ (W/s) | 277.6 | 102.8 | 226.0 | 202.1 | C |
| FIGRA0.4MJ (W/s) | 145.6 | 7.6 | 88.7 | 80.6 | |
| THR600s (MJ) | 1.5 | 1.2 | 2.0 | 1.6 | |
| LFS to edge (yes or no) | No | No | No | No | |
| SMOGRA (m2/s2) | 0 | 0 | 0 | 0 | s1 |
| TSP600s (m) | 32.7 | 19.0 | 29.5 | 27.1 | |
| FDP flaming ≤ 10 s (yes or no) | No | No | No | No | d0 |
| FDP flaming > 10 s (yes or no) | No | No | No | No | |



Note
 The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criteria for assessing the potential fire hazard of the product in use.

Comment
 The results meet the requirements of a Class C, s1, d0, as specified in BS EN 13501-1:2007+A1:2009. An estimation of uncertainty of measurement has been taken into account when making a judgment to any pass/fail criteria. Under our Policy we have used a non-binary decision rule. See our Decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.

Reported by:  A Shute, Senior Lab Technician

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.

1066

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FIRE - PX500



REACCIÓN AL FUEGO



aitex
textile research institute
Plaza Emilio Sala 1 - 1º
E-03801 Alcoy (Alicante)

La Sociedad: ISINAC ACOUSTIC WORLD SL
B27853381
Avenida Ramon Nieto 125. Vigo
36205

Está autorizada para colocar la etiqueta "Clasificación de Reacción al Fuego de Productos de Construcción" según el N° de informe 2021AN0119



aitex
textile research institute

**CLASIFICACIÓN DE REACCIÓN AL FUEGO DE:
PRODUCTOS DE CONSTRUCCIÓN**

Nº 21AN0119

La muestra referenciada como:

"PX 500"

ha sido objeto de ensayo de acuerdo con las normas EN ISO 11925-2:2020 y EN 13823:2010+A1:2014, quedando clasificada según norma EN 13501-1:2018 como:

"B-s1,d0"

Alcoy, 09 de febrero de 2021.




CELIA DOLÇA
CAMARÉZ -
NIF:216961225
2021.02.09 14:56:52
+01'00'


Celia Dolça
RESPONSABLE LAB. COMPORTAMIENTO AL FUEGO




FIRE - WH









0865\DC\REA\20_4
27/07/2020

6. Classificazione e campo diretto di applicazione / Classification and direct field of application

6.1. Riferimenti e campo diretto di applicazione / Reference and direct field of application

Questa classificazione è stata condotta conformemente alla clausola 8.2 della EN 13501-1:2007+A1:2009.
This classification has been carried out in accordance with clause 8.2 of EN 13501-1:2007+A1:2009.

6.2. Classificazione / Classification

Il prodotto STRATOCELL® WHISPER® FR in relazione al suo comportamento alla reazione al fuoco è classificato:
The product STRATOCELL® WHISPER® FR in relation to its fire reaction behaviour is classified:

B

La classificazione aggiuntiva in relazione allo sviluppo di fumo è:
The additional classification in relation to smoke production is:

s2

La classificazione aggiuntiva in relazione alle gocce/particelle accese è:
The additional classification in relation to flaming droplets/particles is:


d0

Il formato per la classificazione di reazione al fuoco per i prodotti da costruzione eccetto i pavimenti è la seguente:
The format of the reaction to fire classification for construction products except flooring is:

| Comportamento al fuoco Fire behaviour | | Sviluppo di fumo Smoke production | | | Parti infiammate Flaming droplets | |
|--|---|--------------------------------------|---|---|--------------------------------------|---|
| B | - | s | 2 | - | d | 0 |




QG001 REV.00

Pag. 6 di/of 7






VOC - FOAM / ESP. MINERAL G+



| | | | |
|--|-----------------------------|--|--|
|  | |  | |
| | | Report No. 392-2014-00009701Arev1 | |
| BASF SE G - PM/PM - D219 67056 Ludwigshafen GERMANY | | Eurofins Product Testing A/S Smedskovvej 38 8464 Galten Denmark voc@eurofins.com www.eurofins.com/voc-testing | |
| VOC Emission Test report | | Date 17 June 2015 | |
| 1. Sample Information | | | |
| Sample identification | Basotect G+ thickness 500mm | | |
| Product type | Insulation | | |
| Batch no. | 435 | | |
| Production date | 25.10.2013 | | |
| Date when sample was received | 17/01/2014 | | |
| Testing (start - end) | 23/01/2014 - 20/02/2014 | | |
| 2. Resulting VOC Emission Class Label | | | |
| This recommendation is based on French regulation of March 23, 2011 (décret DEVL1101903D) and of April 19, 2011 (arrêté DEVL1104875A). For details please see www.eurofins.com/france-voc | | | |
|  | | | |
| The product was assigned a VOC emission class without taking into account the measurement uncertainty associated with the result. As specified in French Decree no. 2011-321 of March 23, 2011, correct assignment of the VOC emission class is the sole responsibility of the party responsible for distribution of the product in the French market. | | | |
| <small>The results are only valid for the tested sample(s). This report may only be copied or reprinted in its entirety, parts of it only with a written acceptance by Eurofins.</small> | | | |
| Page 1 of 3 | | | |

VOC - FOAM / ESP. MINERAL B



| | | | |
|--|--------------------------|--|--|
|  | |  | |
| | | Prüfbericht Nr. 392-2014-00042101Brev1 | |
| BASF SE G - PM/PM - D219 67056 Ludwigshafen GERMANY | | Eurofins Product Testing A/S Smedskovvej 38 8464 Galten Denmark voc@eurofins.com www.eurofins.com/voc-testing | |
| Prüfbericht der VOC-Emissionen | | Datum 17 Juni 2015 | |
| 1. Probeinformation | | | |
| Identifikation der Probe | Basotect B, Dicke 500 mm | | |
| Produkttyp | Insulation | | |
| Charge Nr. | 033 | | |
| Produktionsdatum | 15.01.2014 | | |
| Empfangsdatum der Probe | 12.03.2014 | | |
| Emissionsprüfung (Anfang - Ende) | 18.03.2014 - 15.04.2014 | | |
| 2. Klassifizierung nach der französischen VOC-Verordnung | | | |
| Die Empfehlung für die Klassifizierung wird auf Grund der Französischen Verordnung für die Kennzeichnung von Bauprodukten oder Wandverkleidungen, Bodenbelägen, Farben und Lacken in Bezug auf die Emissionen von flüchtigen Schadstoffen, wie am 25. März 2011 (décret DEVL1101903D) und am 13. Mai 2011 (arrêté DEVL1104875A) veröffentlicht, gegeben. Für detaillierte Information, bitte lesen Sie: www.eurofins.com/france-voc | | | |
|  | | | |
| Das Produkt wurde in eine VOC-Emissionsklasse eingestuft ohne Berücksichtigung der Unsicherheit des Prüfergebnisses. Entsprechend dem französischen Erlass Nr. 2011-321 vom 23. März 2011 liegt die korrekte Angabe der VOC-Emissionsklasse in der alleinigen Verantwortung der juristischen oder natürlichen Person, die das Produkt auf dem französischen Markt in Verkehr bringt | | | |
| <small>Die Prüfergebnisse gelten nur für die untersuchte(n) Probe(n). Der Bericht darf nur als Ganzes wiedergegeben werden, Auszüge nur mit schriftlicher Zustimmung des Prüflabors.</small> | | | |
| Seite 1 von 3 | | | |

LIGHT - ILUCS & IZZER



2021AN2732



RESULTADOS / RESULTS

SOLIDEZ DEL COLOR A LA INTEMPERIE ARTIFICIAL: LAMPARA DE ARCO DE XENON
COLOUR FASTNESS TO ARTIFICIAL WEATHERING: XENON ARC FADING LAMP TESTNorma
StandardEN ISO 105-B04:1998.
EN ISO 105-B04:1998.Aparato
Apparatus

CI 3000

Condiciones de exposición
Exposure conditionsNormales
NormalCondiciones de evaluación
Evaluation conditionsCámara de luces Gretagmacbeth (02021N06)
Light camera Gretagmacbeth (02021N06)

| Referencia Reference | Índice de solidez Light fastness |
|-------------------------|-------------------------------------|
| TEJIDO ILUCS | 3 |
| TEJIDO IZZER | 2-3 |

NOTA
REMARK

El índice de solidez a la luz indicado corresponde a:

- Variación de intensidad: Más claro
- Variación de tonalidad: No se observa
- Variación de brillo: No se observa

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

>>>

100% EUROPEAN ORIGIN



EN

ISINAC exclusively uses raw materials and components of European origin in its production process, driven by a firm commitment to product quality and compliance with environmental regulations.

Through the fusion between the latest technology and careful artisanal craftsmanship, each piece is thoughtfully crafted to meet real needs, avoiding overproduction and unnecessary accumulation.

Our philosophy is based on effectiveness, durability, and sustainability.

ES

ISINAC emplea exclusivamente materias primas y elementos de origen europeo en su proceso productivo. Lo hace con el firme convencimiento de la calidad de su producto y siguiendo las normativas en materia de cuidado medioambiental.

Fusionando la tecnología más puntera y el cuidado artesanal, conseguimos que cada pieza se elabore con atención para satisfacer necesidades reales, evitando la sobreproducción y la acumulación innecesaria.

Nuestra filosofía se basa en la eficacia, la durabilidad y la sostenibilidad.

the acoustic comfort®


www.isinac.com

MANIFESTO

ISO 14001

ISO 14006





Bureau Veritas Certification

Certification

Awarded to

ISINAC ACOUSTIC WORLD, S.L.U.

AVDA DE RAMÓN NIETO, 125 - 36205 - VIGO - PONTEVEDRA - SPAIN

Bureau Veritas certification certifies that the Management System has been audited and found to be in accordance with the requirements of standard:


STANDARD

ISO 14001:2015


Scope of certification:

DESIGN AND MANUFACTURING OF ACOUSTIC ABSORPTION SOLUTIONS FOR ALL TYPES OF PREMISES AND BUILDINGS. TECHNICAL ADVISORY SERVICES IN ARCHITECTURAL AND ACOUSTICAL ENGINEERING.


| | |
|---------------------------------|--------------|
| Certificate Number: | ES137278 - 1 |
| Original approval date: | 26-05-2023 |
| Certification/Renovation Audit: | 13-04-2023 |
| Expiry date of previous cycle: | NA |
| Effective date: | 26-05-2023 |
| Certificate expiration date: | 25-05-2026 |




This certificate is valid, subject to the general and specific terms and conditions of certification services



Bureau Veritas Iberia S.L.
C/ Valportillo Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España



1/1



Bureau Veritas Certification

Certification

Awarded to

ISINAC ACOUSTIC WORLD, S.L.U.

AVDA DE RAMÓN NIETO, 125-36205-VIGO-PONTEVEDRA-ESPAÑA

Bureau Veritas Certification certifies that the Ecodesign Management System has been audited and found to be in accordance with the guidelines of standard:

STANDARD


ISO 14006:2020

(UNE-EN ISO 14006:2020)


Scope of certification:

DESIGN AND MANUFACTURE OF CURTAINS FOR ACOUSTIC ABSORPTION AND SOUNDPROOFING FROM NATURAL COMPOSTABLE FABRIC.

| | |
|------------------------------|------------|
| Certificate Number: | ES137277-1 |
| Original approval date: | 26-05-2023 |
| Effective date: | 26-05-2023 |
| Certificate expiration date: | 25-05-2026 |



This certificate is valid, subject to the general and specific terms and conditions of certification services



Bureau Veritas Iberia S.L.
C/ Valportillo Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España

1 | 2

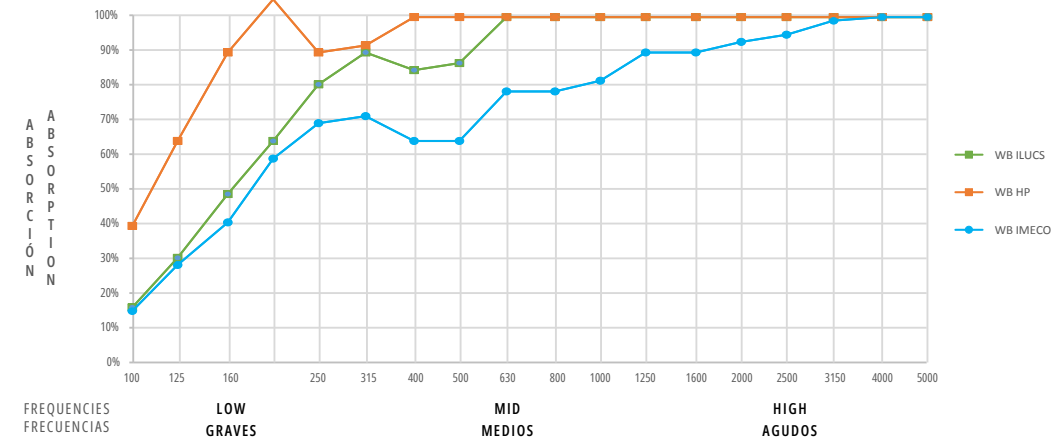
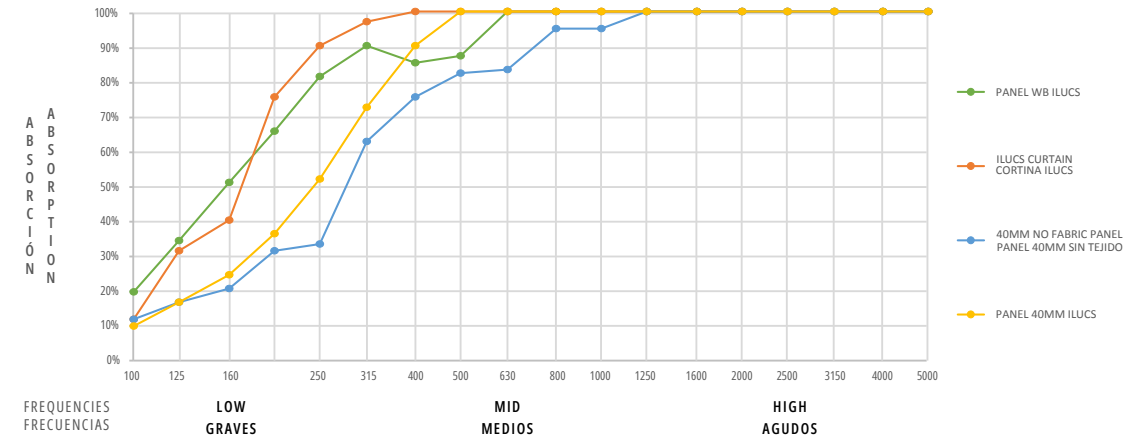
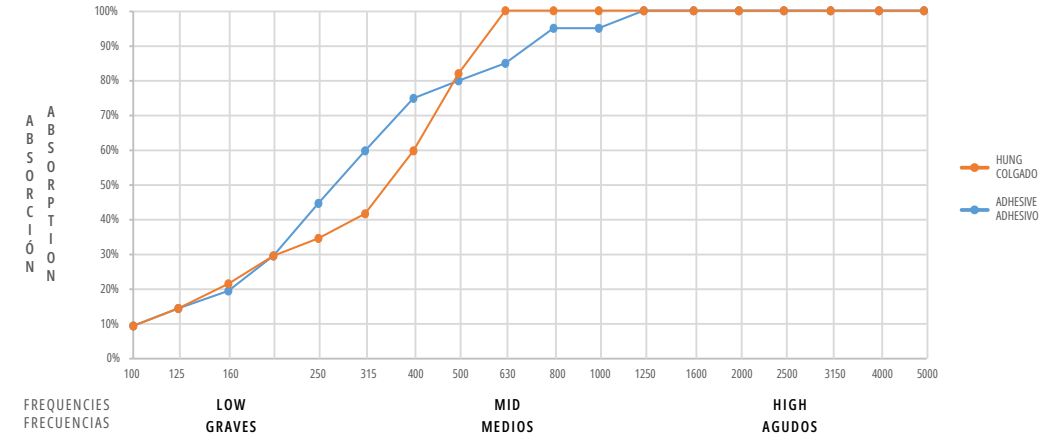
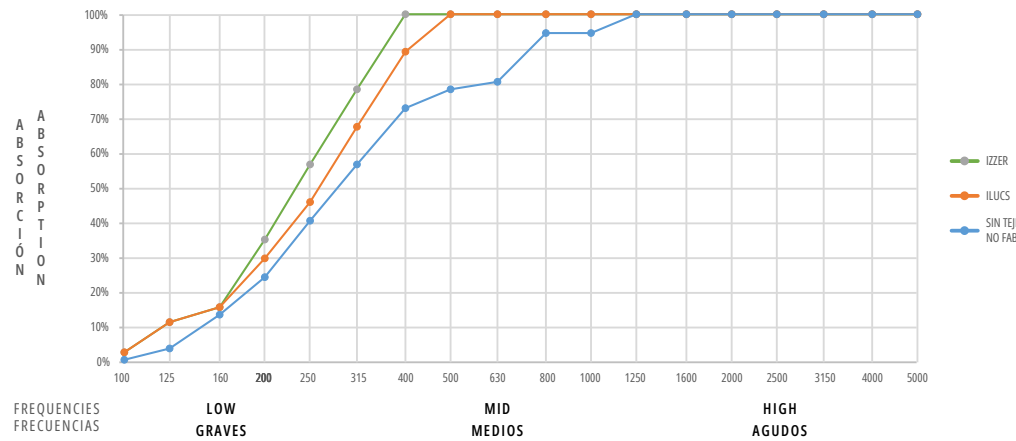
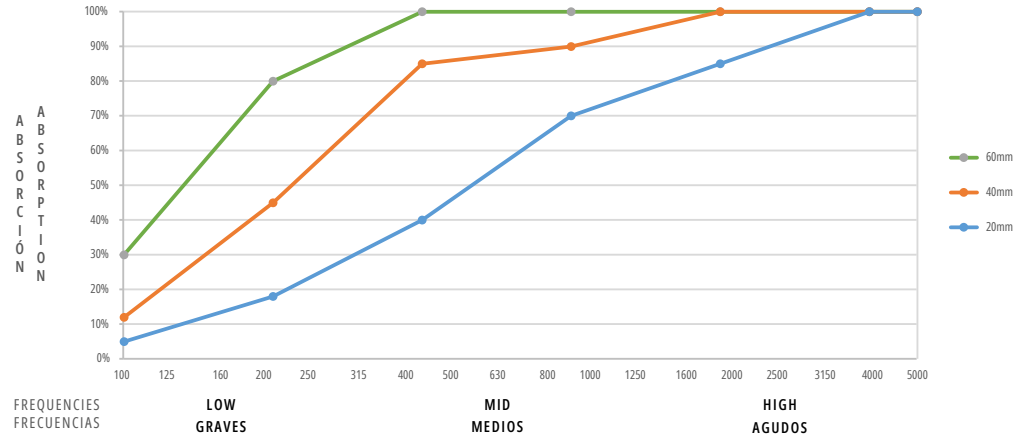
VISUALIZING ACOUSTIC PERFORMANCE



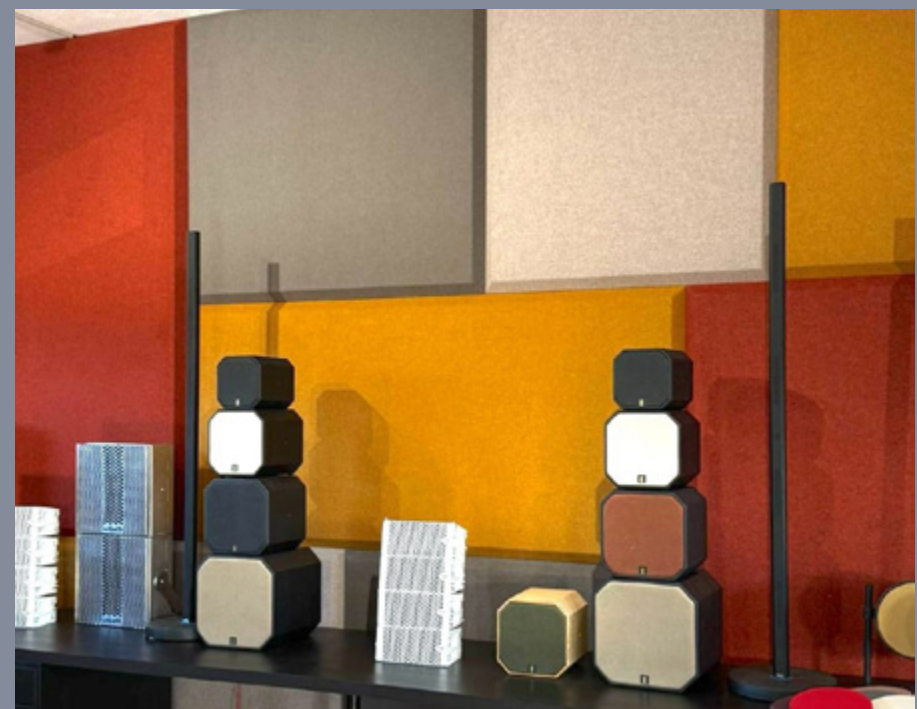
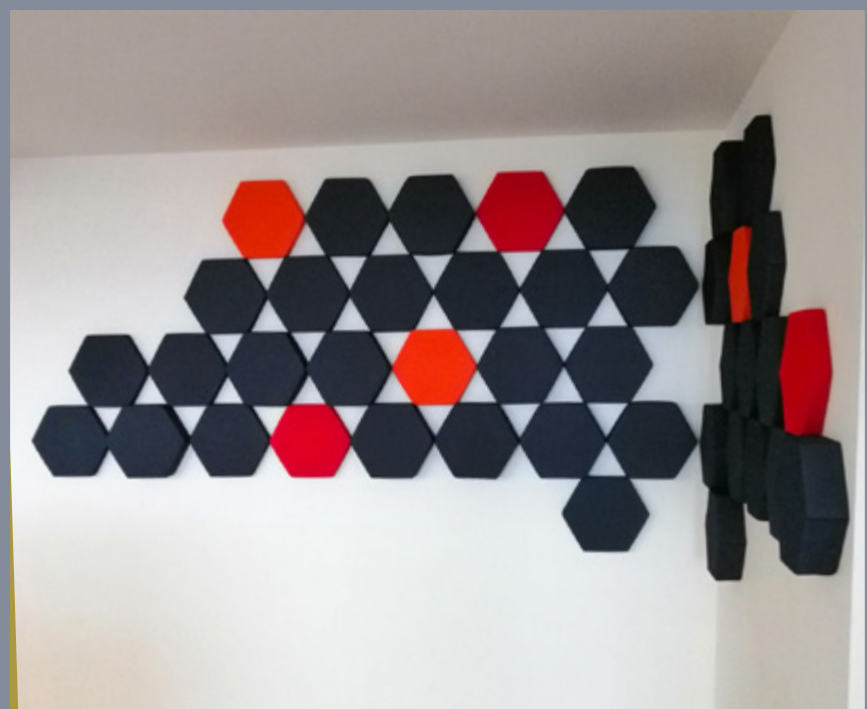
At ISINAC we strive for achieving excellence. That's why we rigorously test the acoustic absorption performance of each of our products across all parameters. Below, we present a detailed visualization of the performance of different solutions, compared side by side, to highlight their high efficiency across various finishes and configurations.



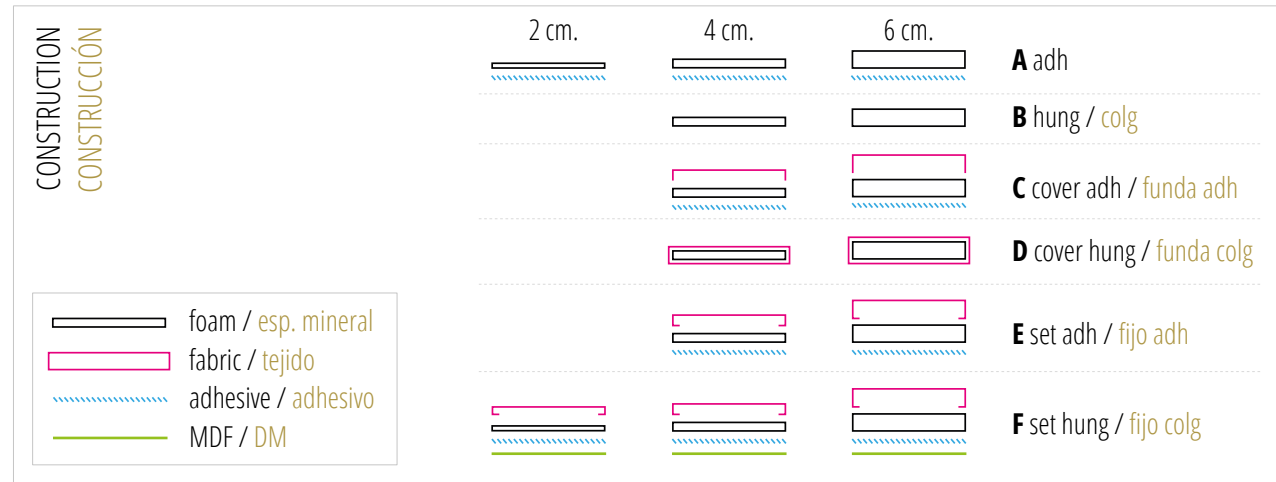
En ISINAC centramos nuestros esfuerzos en alcanzar la excelencia. Por eso, comprobamos cómo se comporta la absorción acústica de cada uno de nuestros productos en todos sus parámetros. A continuación, mostramos una visualización detallada del desempeño de distintas soluciones comparadas entre sí para comprobar la alta eficiencia que las caracteriza en distintos acabados y presentaciones.



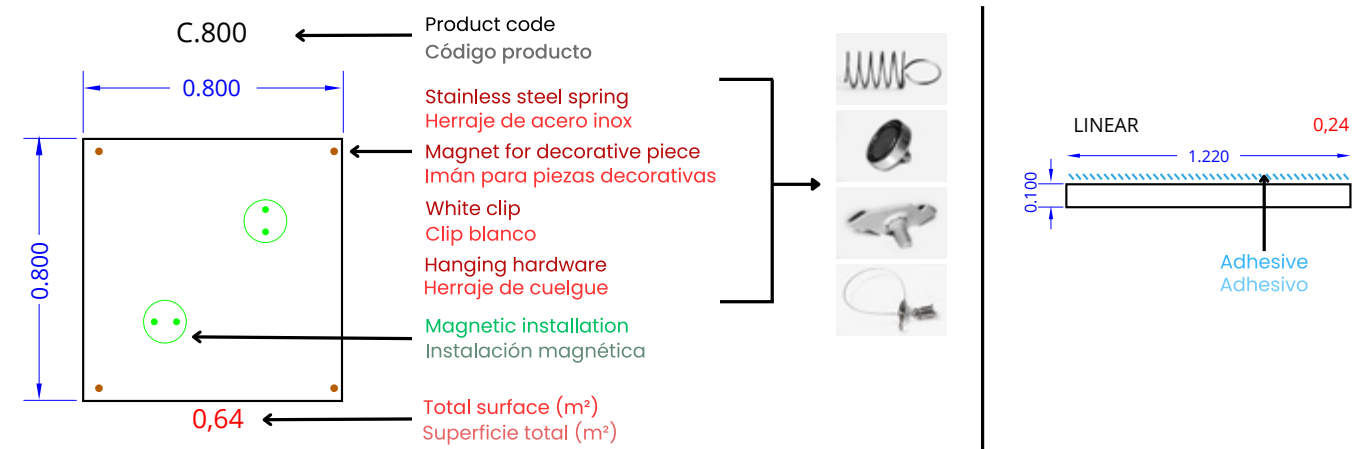
05. PRODUCTS



GUIDELINES / INFO ÚTIL



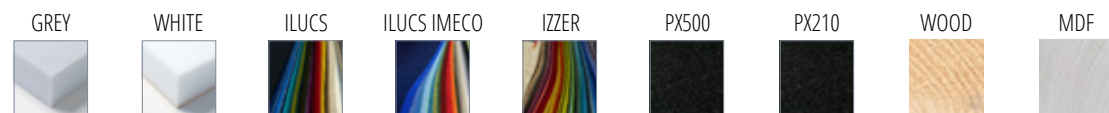
ANCHORAGE POINTS / PUNTOS DE ANCLAJE



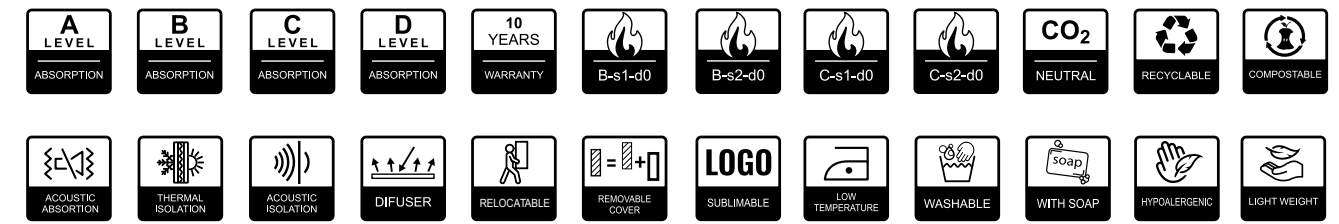
AVAILABLE ACCESSORIES / ACCESORIOS DISPONIBLES



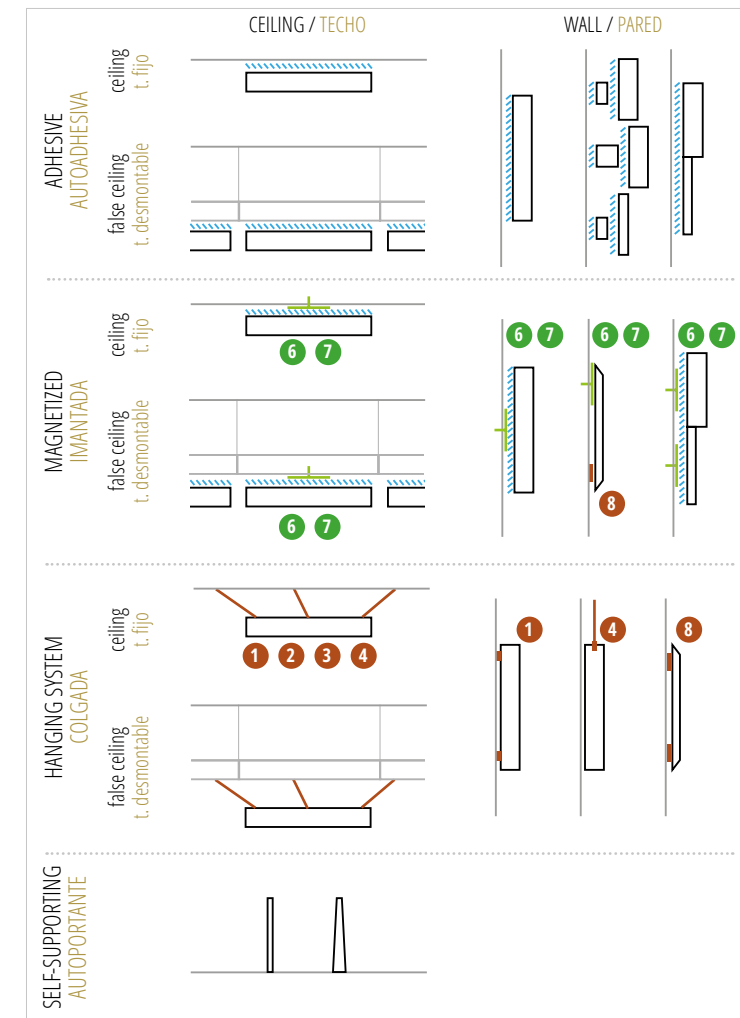
AVAILABLE FINISHES / ACABADOS DISPONIBLES



TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



INSTALLATION TYPE / TIPO DE INSTALACIÓN



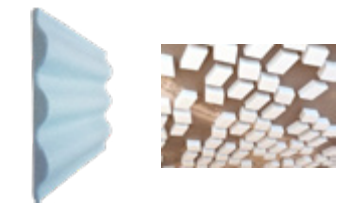
TOOLS AVAILABLE AT ISINAC / HERRAMIENTAS DISPONIBLES EN ISINAC



TOOLS NOT INCLUDED / HERRAMIENTAS NO INCLUIDAS

- laser / nivel
- drill / taladro
- screwdriver / destornillador
- ladder / escalera
- tape measure / metro
- hammer / martillo

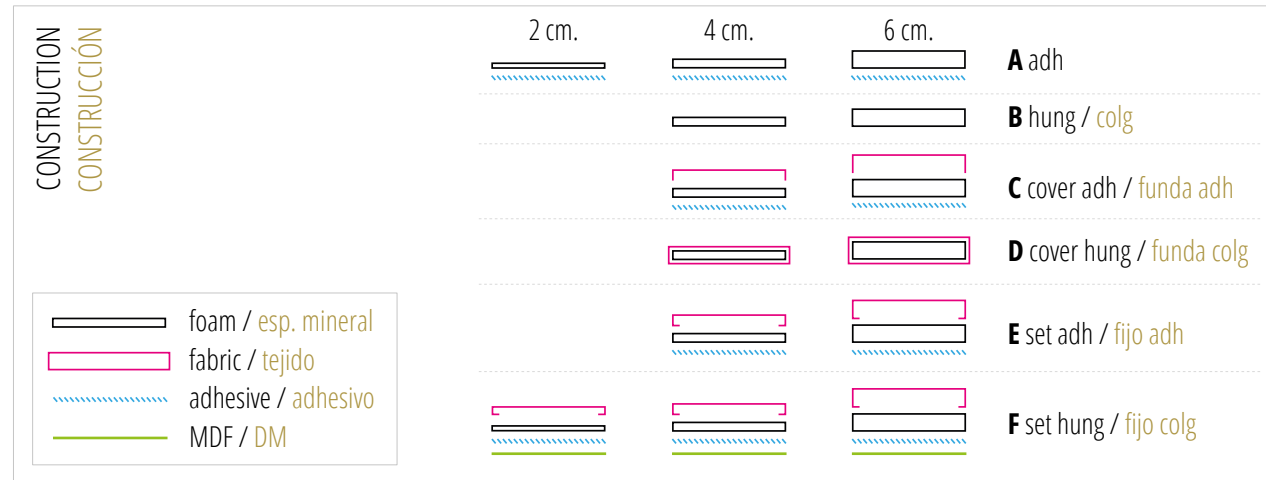
CUSTOMIZATION AVAILABLE IN ALL FORMATS / PODEMOS PERSONALIZAR TODAS LAS PIEZAS



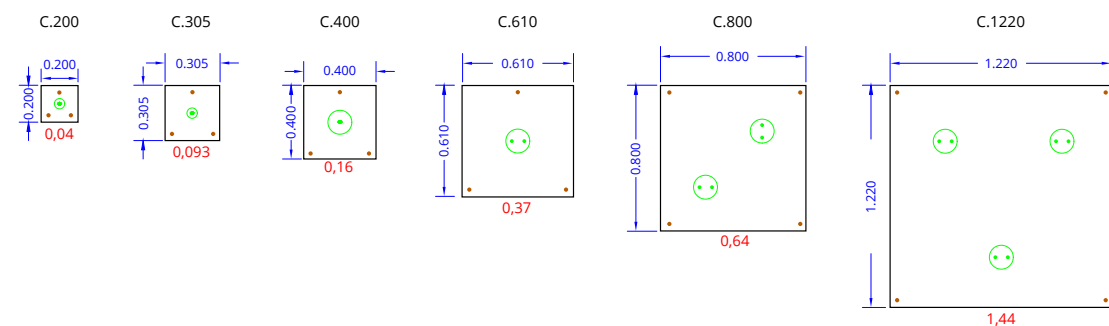
QUALITY SEALS / SELLOS DE CALIDAD



MAESTRO



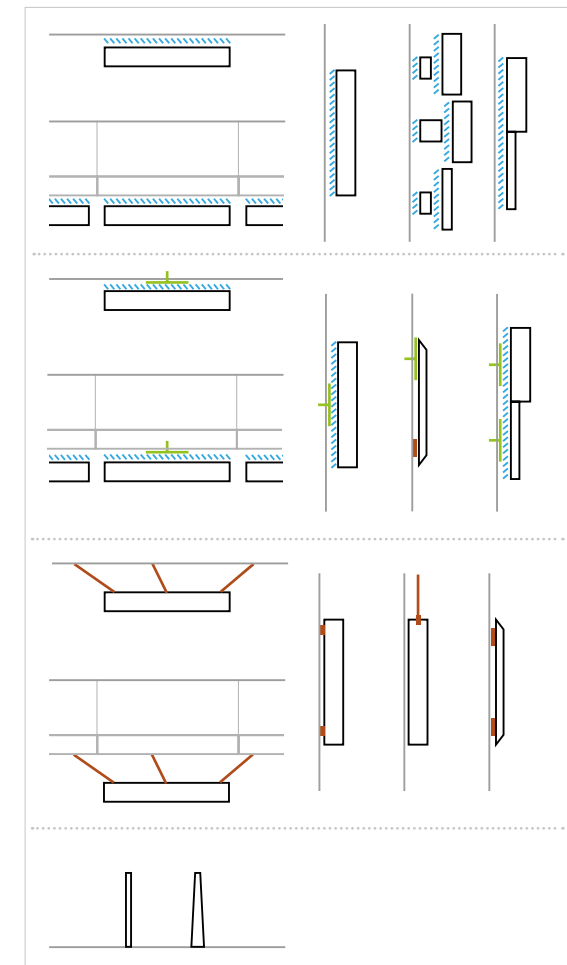
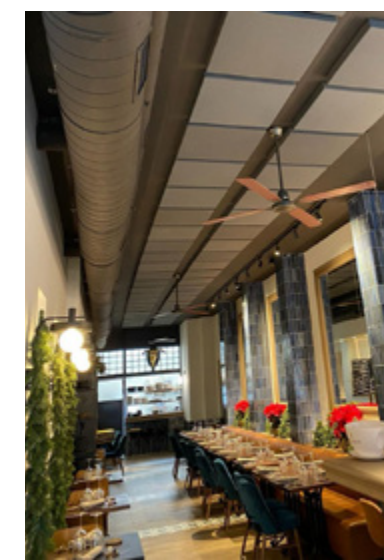
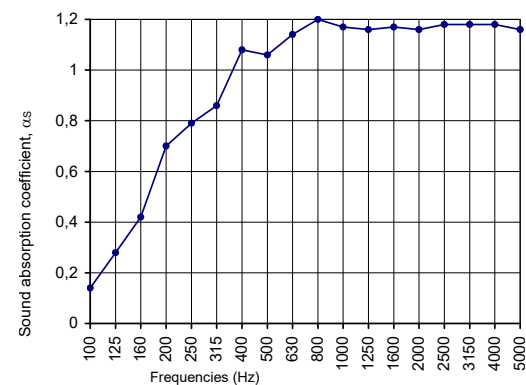
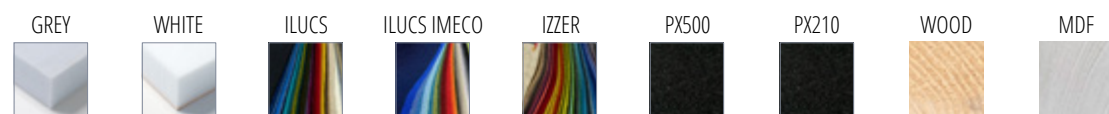
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



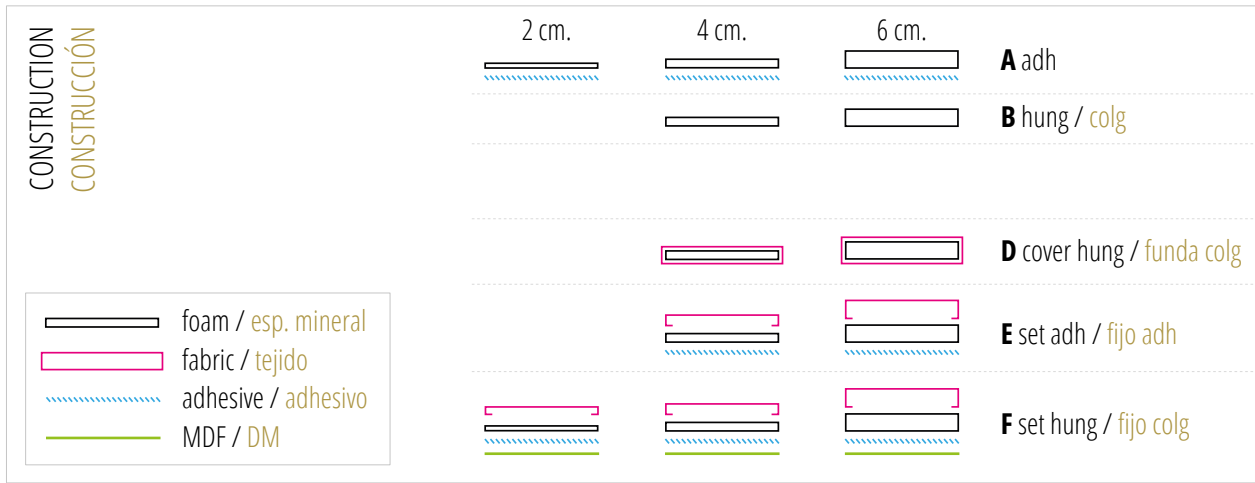
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|-------------------|-----------------|-----------------|-----------------|----------|-------------------------|----------------|--------------|
| A LEVEL ABSORPTION | B LEVEL ABSORPTION | C LEVEL ABSORPTION | D LEVEL ABSORPTION | 10 YEARS WARRANTY | B-s1-d0 | B-s2-d0 | C-s1-d0 | C-s2-d0 | CO ₂ NEUTRAL | RECYCLABLE | COMPOSTABLE |
| ACOUSTIC ABSORPTION | THERMAL ISOLATION | ACOUSTIC ISOLATION | DIFUSER | RELOCATABLE | REMOVABLE COVER | LOGO SUBLIMABLE | LOW TEMPERATURE | WASHABLE | WITH SOAP | HYPOALLERGENIC | LIGHT WEIGHT |

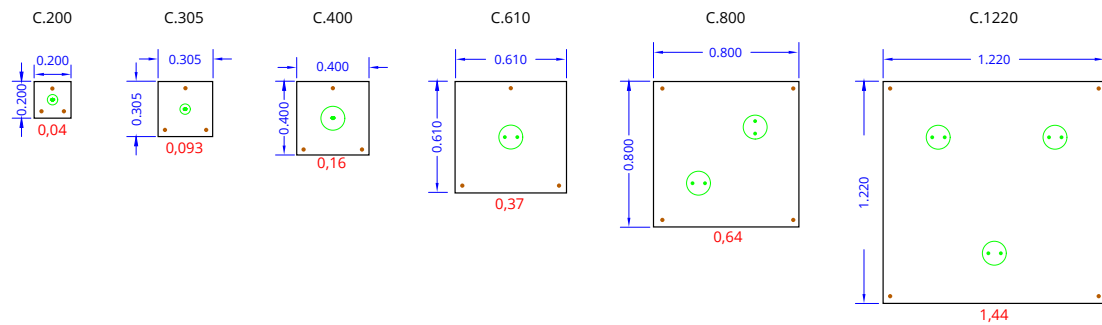
AVAILABLE FINISHES / ACABADOS DISPONIBLES



SQUARE / CUADRADO



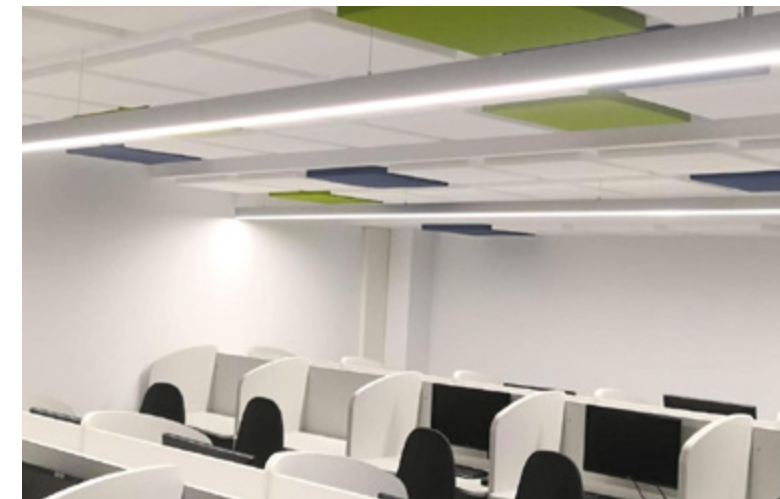
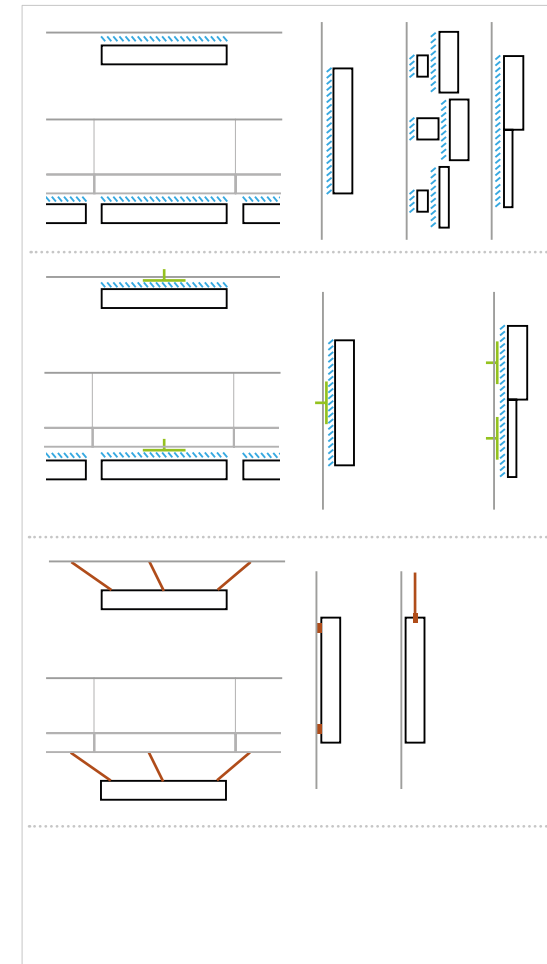
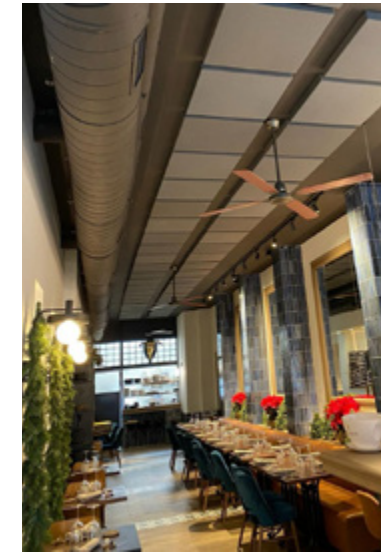
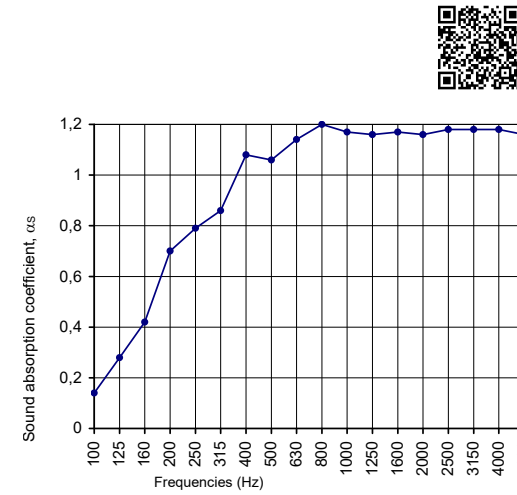
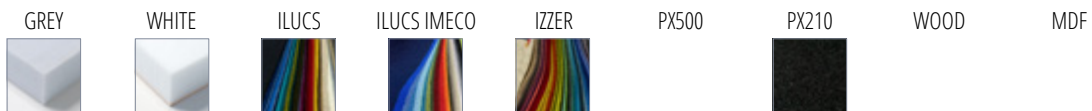
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | |
|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------|-----------------|------------------|-----------------------|----------------------------------|-------------------|--------------------|
| A LEVEL ABSORPTION | B LEVEL ABSORPTION | C LEVEL ABSORPTION | 10 YEARS WARRANTY | B-s1-d0 | B-s2-d0 | C-s1-d0 | C-s2-d0 | CO₂ NEUTRAL | RECYCLABLE | COMPOSTABLE |
| ACOUSTIC ABSORPTION | RELOCATABLE | REMOVABLE COVER | LOGO SUBLIMABLE | LOW TEMPERATURE | WASHABLE | WITH SOAP | HYPOALLERGENIC | LIGHT WEIGHT | | |

AVAILABLE FINISHES / ACABADOS DISPONIBLES



TRIANGLE / TRIÁNGULO



CONSTRUCTION / CONSTRUCCIÓN

2 cm. 4 cm. 6 cm. **A adh**

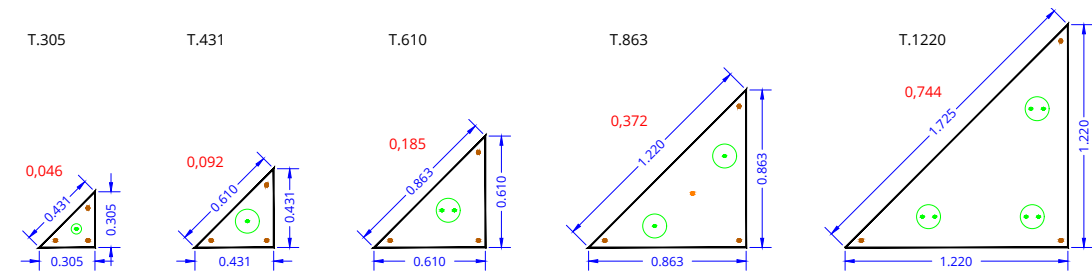
D cover hung / funda colg

E set adh / fijo adh

F set hung / fijo colg

- foam / esp. mineral
- fabric / tejido
- adhesive / adhesivo
- MDF / DM

STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR

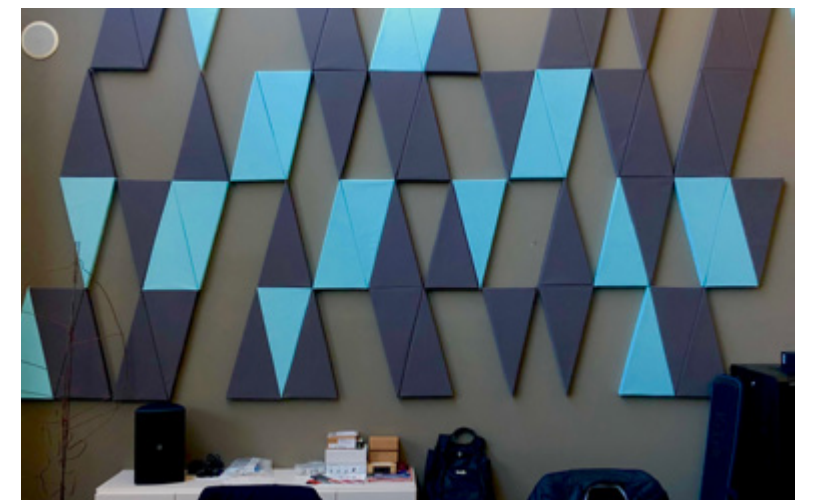
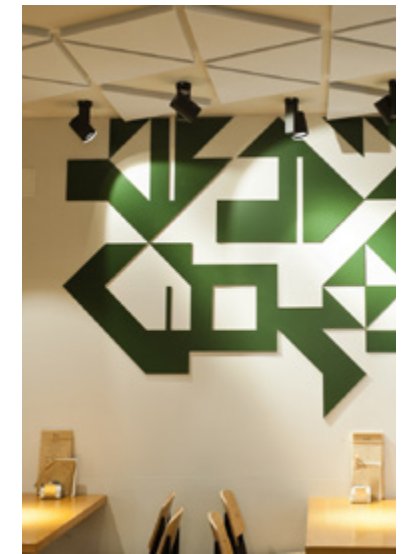
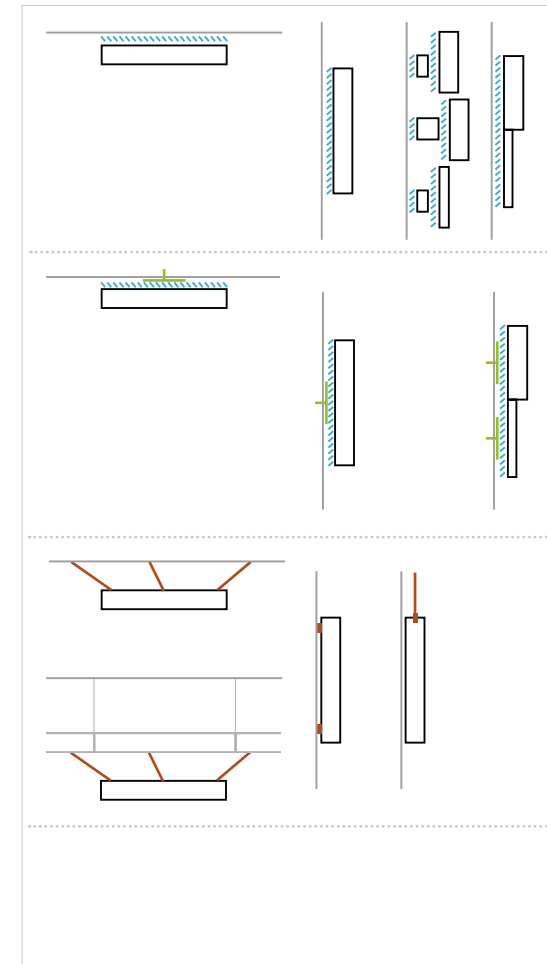
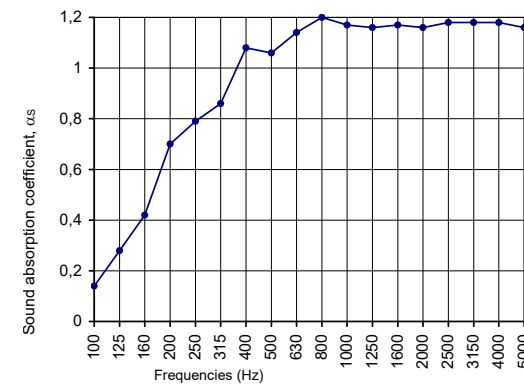


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- A LEVEL ABSORPTION
- B LEVEL ABSORPTION
- C LEVEL ABSORPTION
- 10 YEARS WARRANTY
- B-s1-d0
- B-s2-d0
- C-s1-d0
- C-s2-d0
- CO₂ NEUTRAL
- RECYCLABLE
- COMPOSTABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- REMOVABLE COVER
- LOGO SUBLIMABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC
- LIGHT WEIGHT

AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



RECTANGLE / RECTÁNGULO

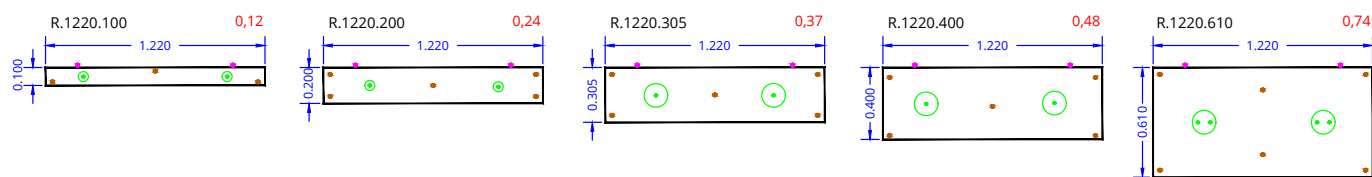


CONSTRUCTION / CONSTRUCCIÓN

| | 2 cm. | 4 cm. | 6 cm. | |
|----------|-------|-------|-------|--------------------------------|
| A | | | | adh |
| B | | | | hung / colg |
| D | | | | cover hung / funda colg |
| E | | | | set adh / fijo adh |
| F | | | | set hung / fijo colg |

foam / esp. mineral
 fabric / tejido
 adhesive / adhesivo
 MDF / DM

STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR

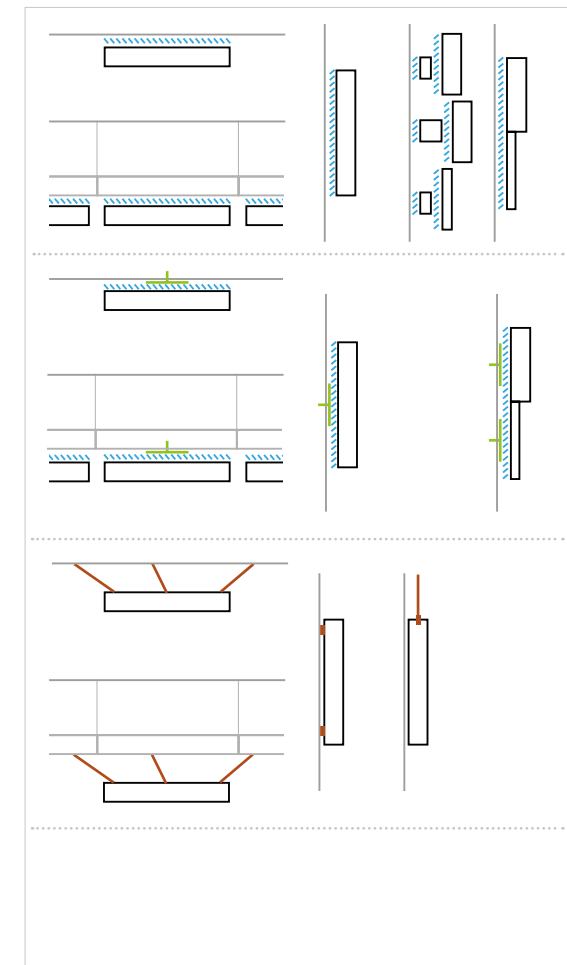
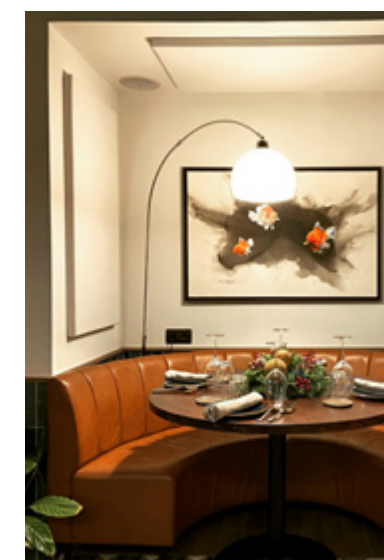
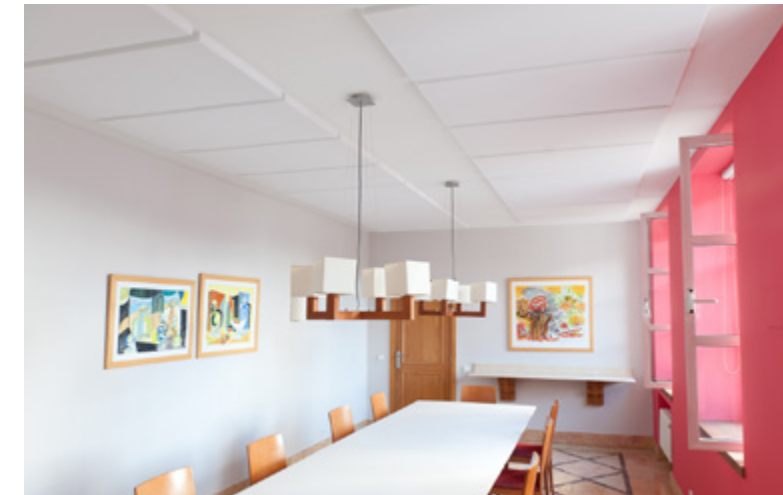
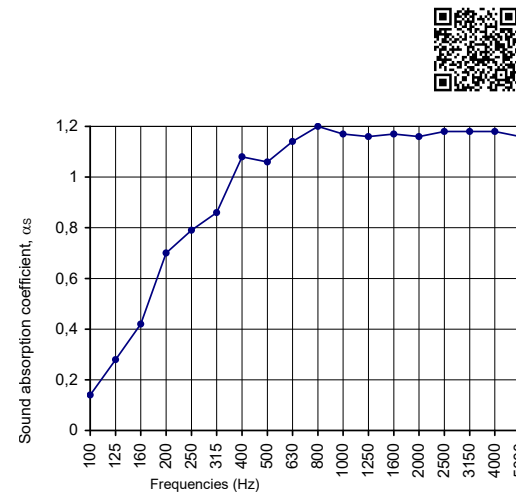


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

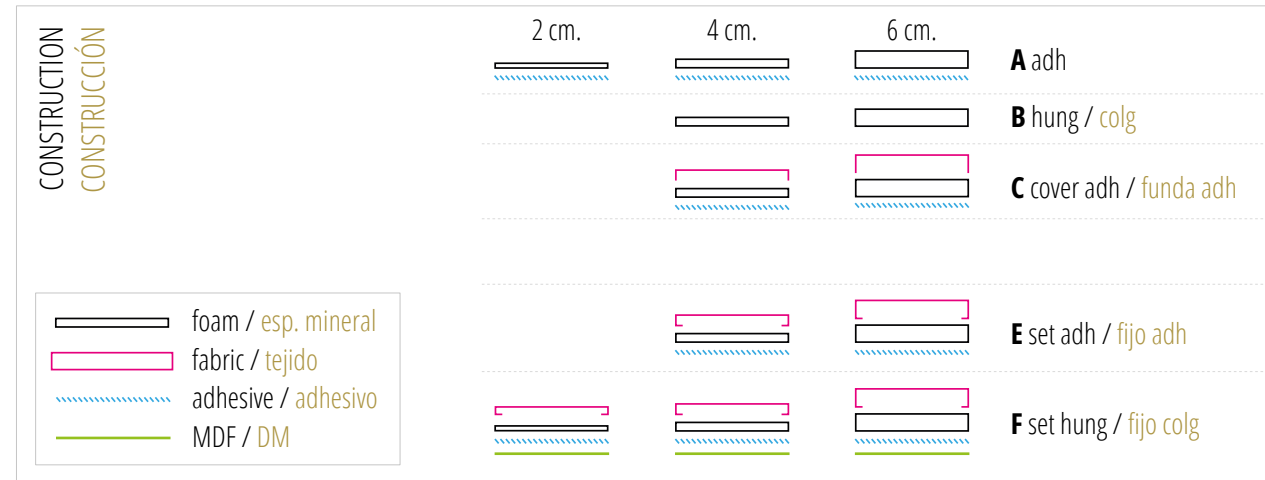
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AVAILABLE FINISHES / ACABADOS DISPONIBLES

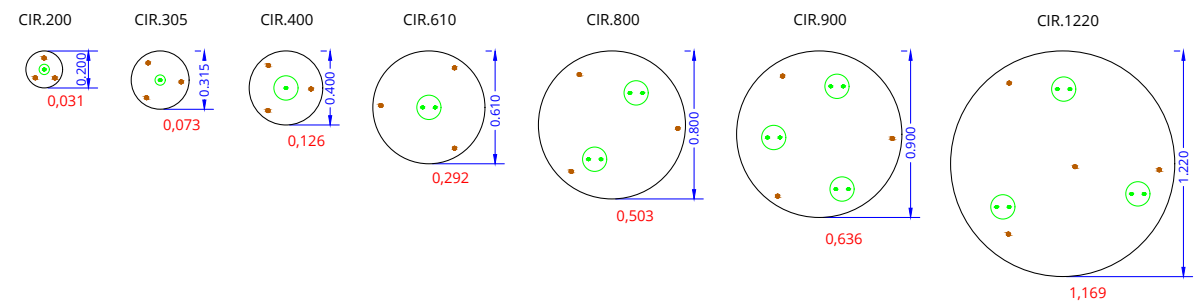
| | | | | | | | | |
|------|-------|-------|-------------|-------|-------|-------|------|-----|
| GREY | WHITE | ILUCS | ILUCS IMECO | IZZER | PX500 | PX210 | WOOD | MDF |
| | | | | | | | | |



CIRCLE / CÍRCULO



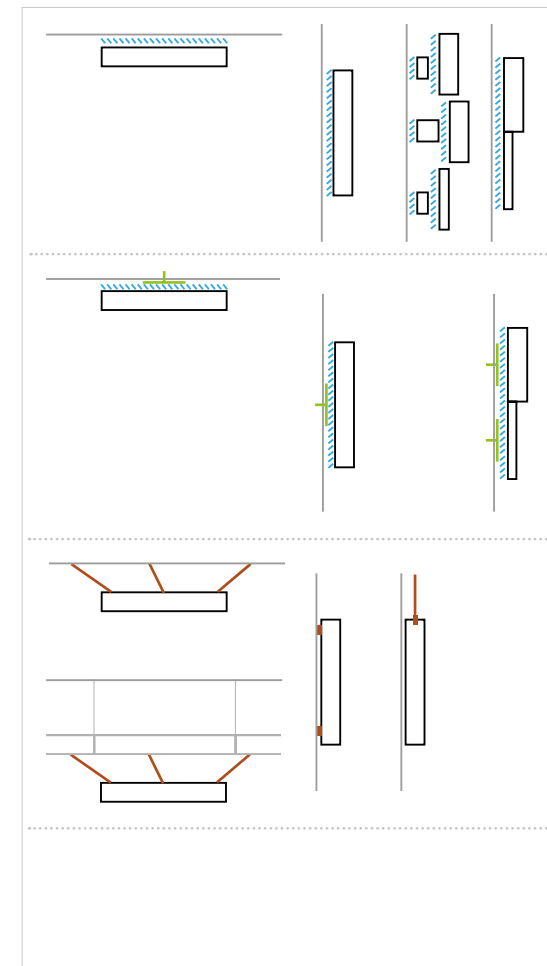
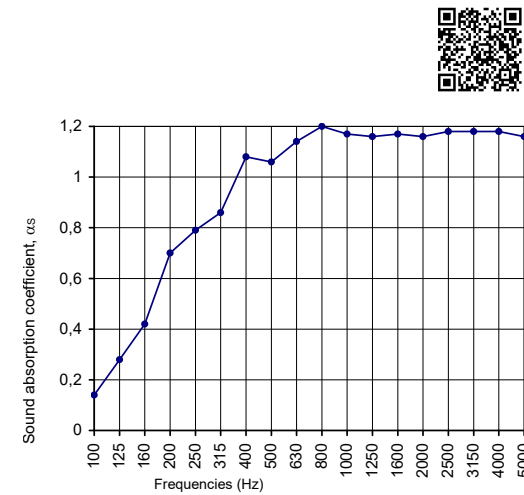
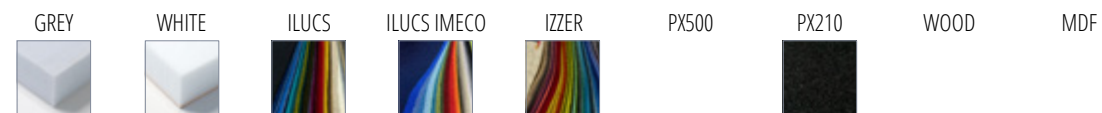
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



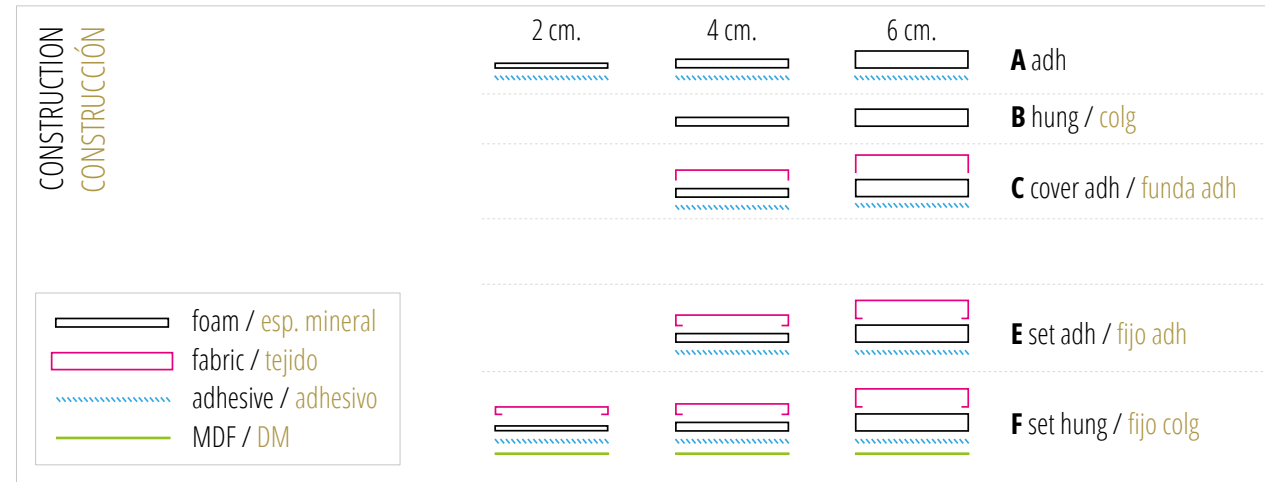
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
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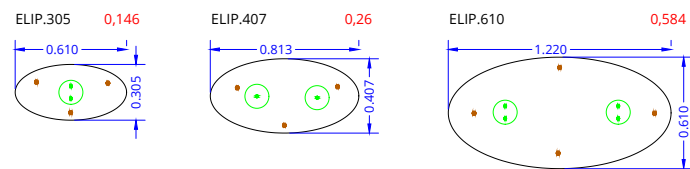
AVAILABLE FINISHES / ACABADOS DISPONIBLES



ELLIPSE / ELIPSE



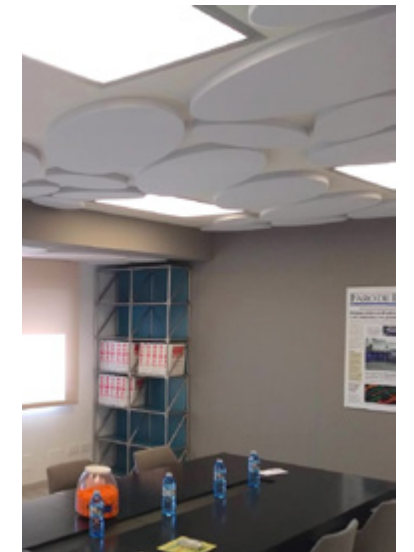
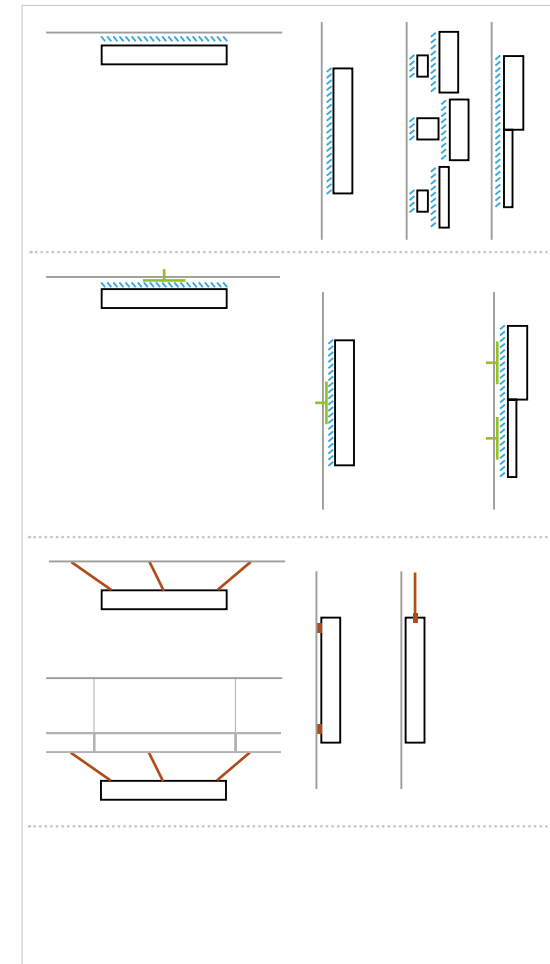
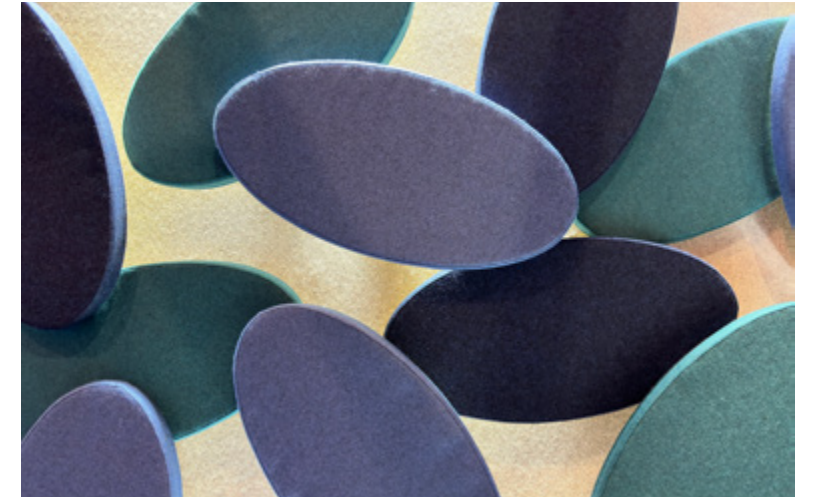
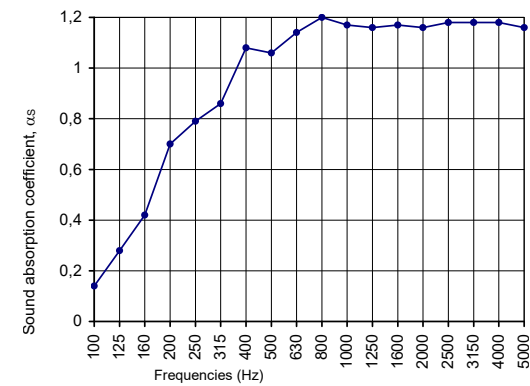
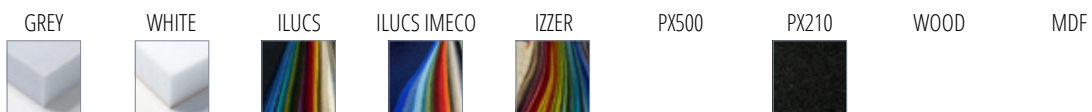
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



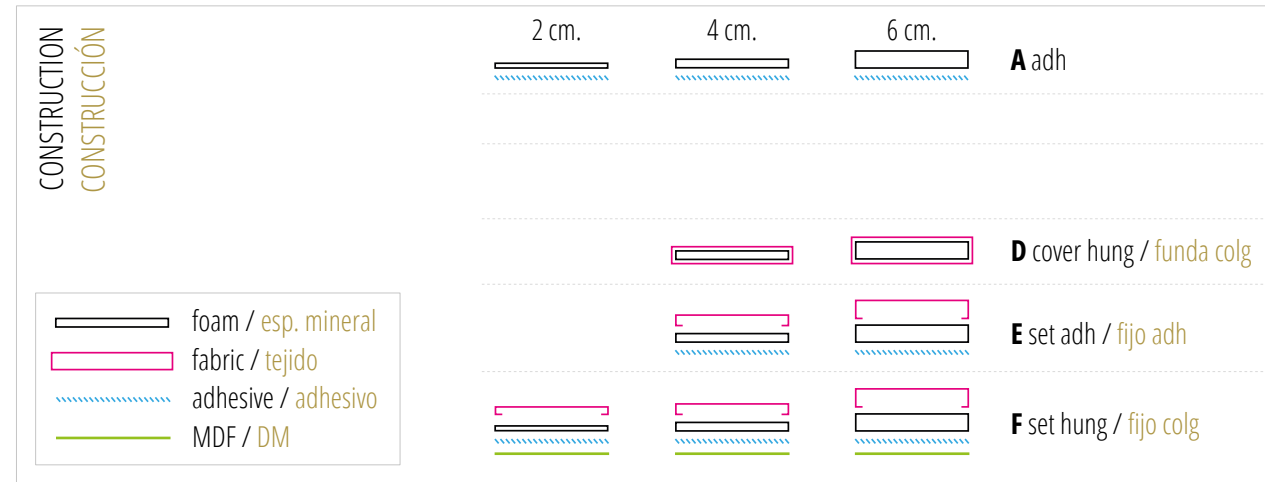
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | | |
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| | | | | | | | | | | | |
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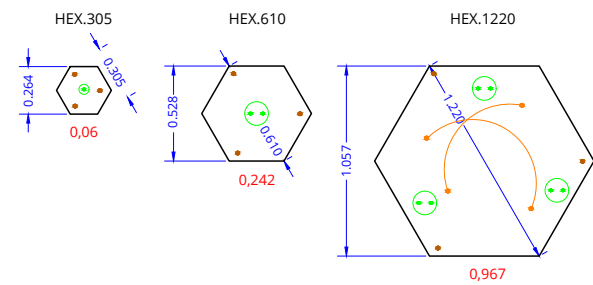
AVAILABLE FINISHES / ACABADOS DISPONIBLES



HEXAGON / HEXÁGONO



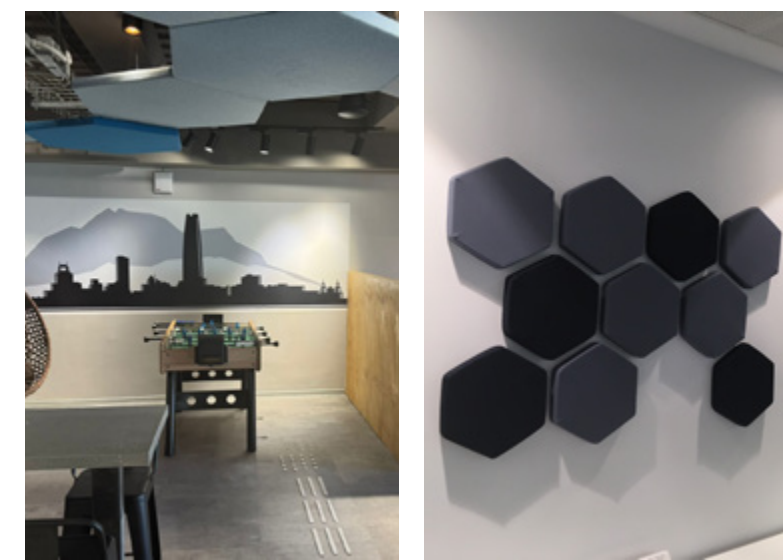
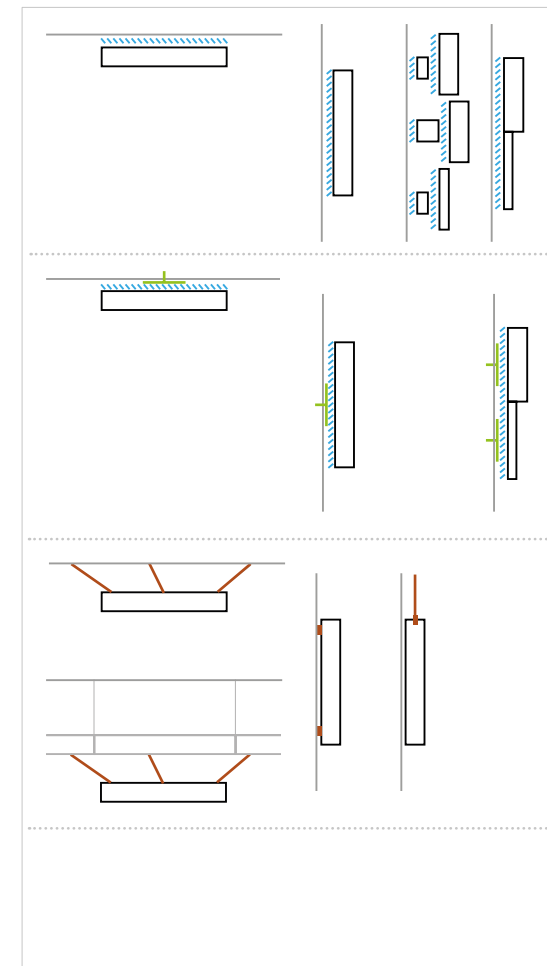
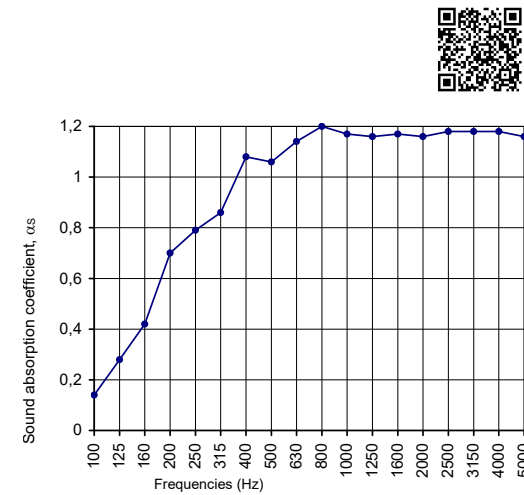
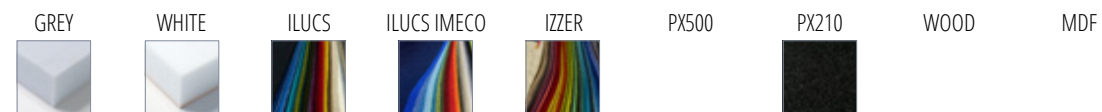
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



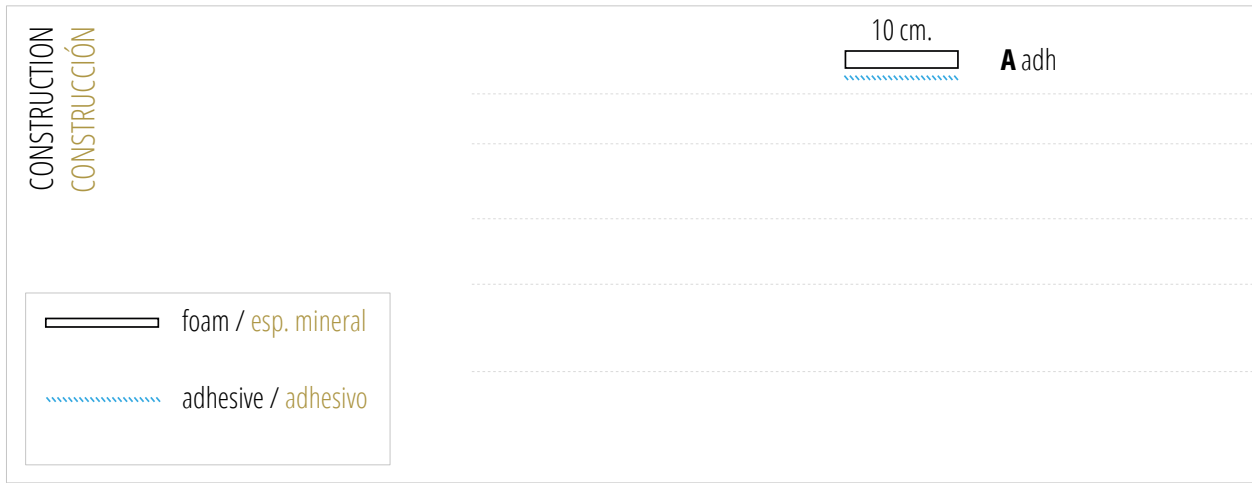
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | |
|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------|-----------------|------------------|-----------------------|----------------------------------|-------------------|--------------------|
| A LEVEL ABSORPTION | B LEVEL ABSORPTION | C LEVEL ABSORPTION | 10 YEARS WARRANTY | B-s1-d0 | B-s2-d0 | C-s1-d0 | C-s2-d0 | CO₂ NEUTRAL | RECYCLABLE | COMPOSTABLE |
| ACOUSTIC ABSORPTION | RELOCATABLE | REMOVABLE COVER | LOGO SUBLIMABLE | LOW TEMPERATURE | WASHABLE | WITH SOAP | HYPOALLERGENIC | LIGHT WEIGHT | | |

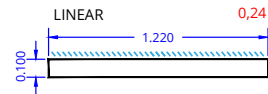
AVAILABLE FINISHES / ACABADOS DISPONIBLES



LINEAR



STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR

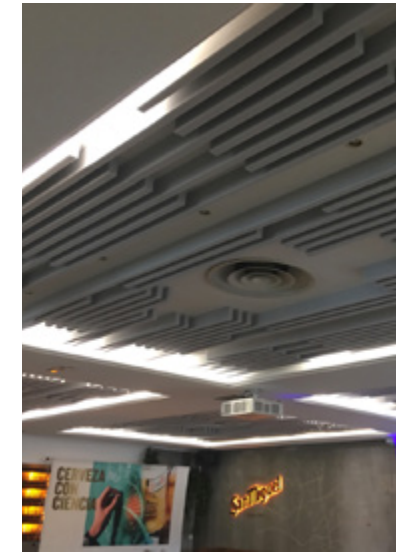
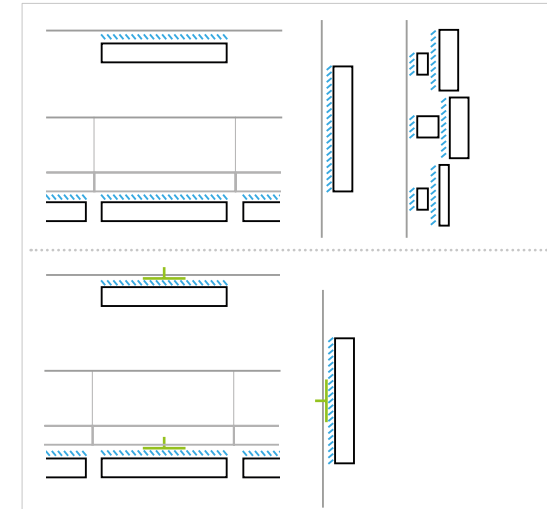
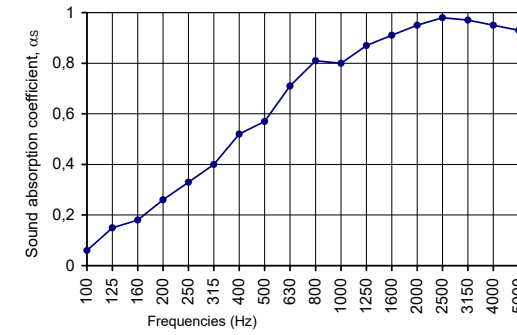


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



CYLINDER / CILINDRO



CONSTRUCTION / CONSTRUCCIÓN

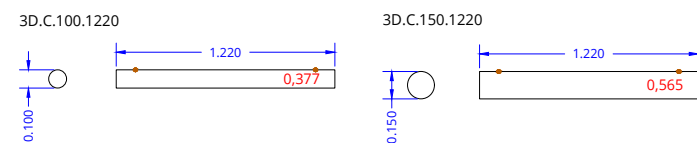
10 & 15 cm.

B hung / colg

D cover hung / funda colg

foam / esp. mineral
fabric / tejido

STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR

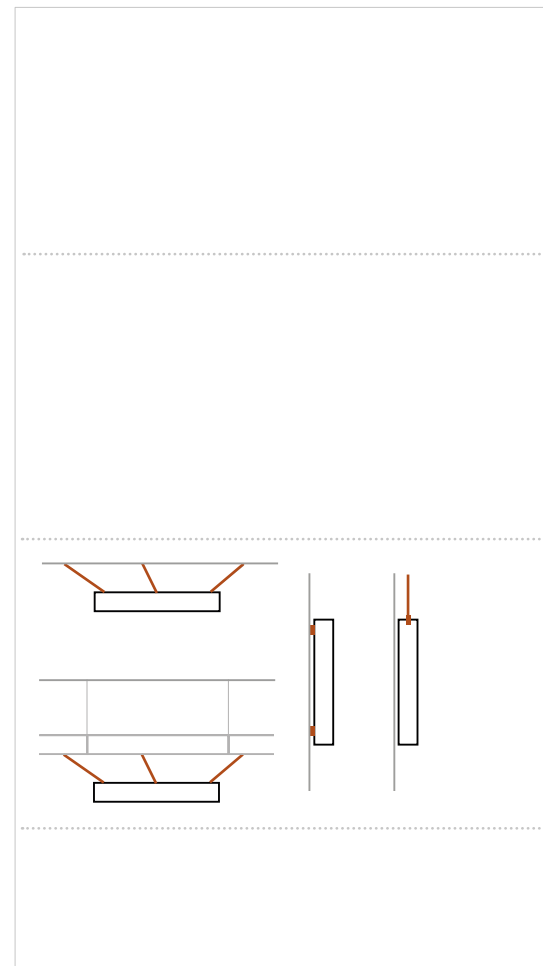
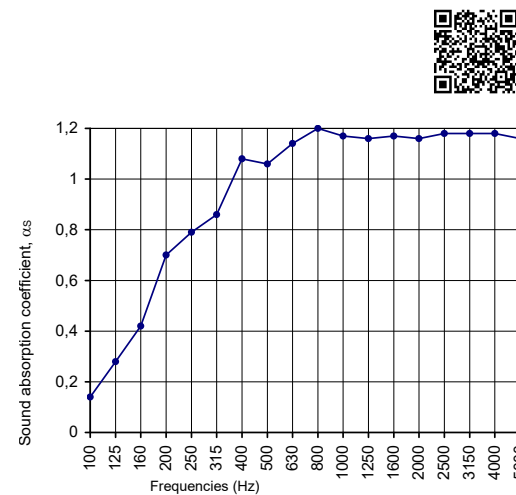


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- A LEVEL ABSORPTION
- 10 YEARS WARRANTY
- B-s1-d0
- B-s2-d0
- C-s1-d0
- C-s2-d0
- CO₂ NEUTRAL
- RECYCLABLE
- COMPOSTABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- REMOVABLE COVER
- LOGO SUBLIMABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC
- LIGHT WEIGHT

AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



PARALLELEPIPED / PARALELEPÍPEDO



CONSTRUCTION / CONSTRUCCIÓN

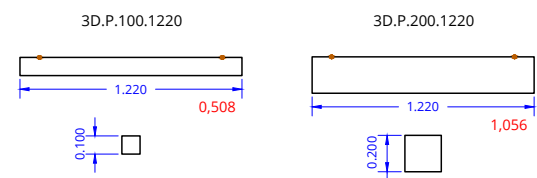
10 & 15 cm.

B hung / colg

D cover hung / funda colg

foam / esp. mineral
fabric / tejido

STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR

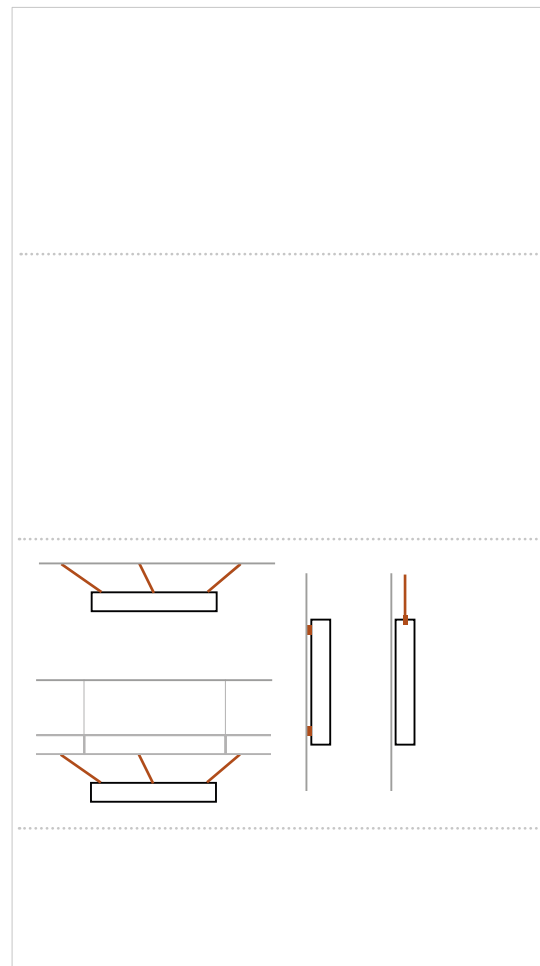
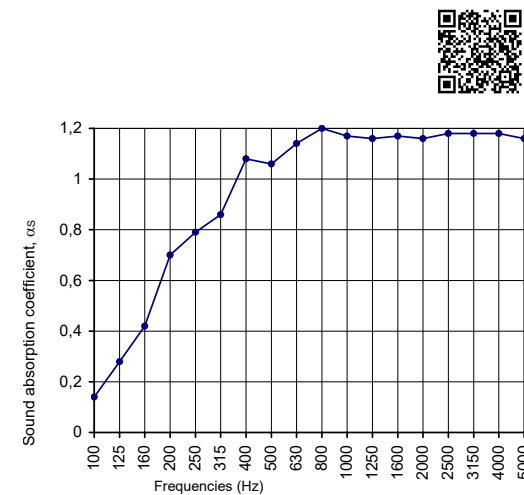


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- A LEVEL ABSORPTION
- 10 YEARS WARRANTY
- B-s1-d0
- B-s2-d0
- C-s1-d0
- C-s2-d0
- CO2 NEUTRAL
- RECYCLABLE
- COMPOSTABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- REMOVABLE COVER
- LOGO SUBLIMABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC
- LIGHT WEIGHT

AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



CUBE / CUBO



CONSTRUCTION / CONSTRUCCIÓN

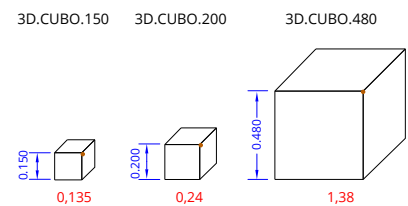
10 & 15 cm.

B hung / colg

D cover hung / funda colg

foam / esp. mineral
fabric / tejido

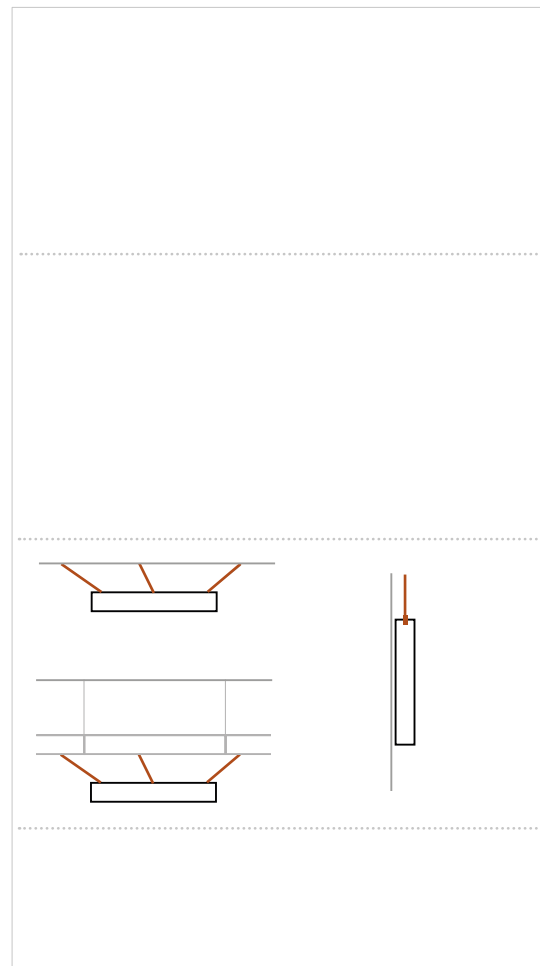
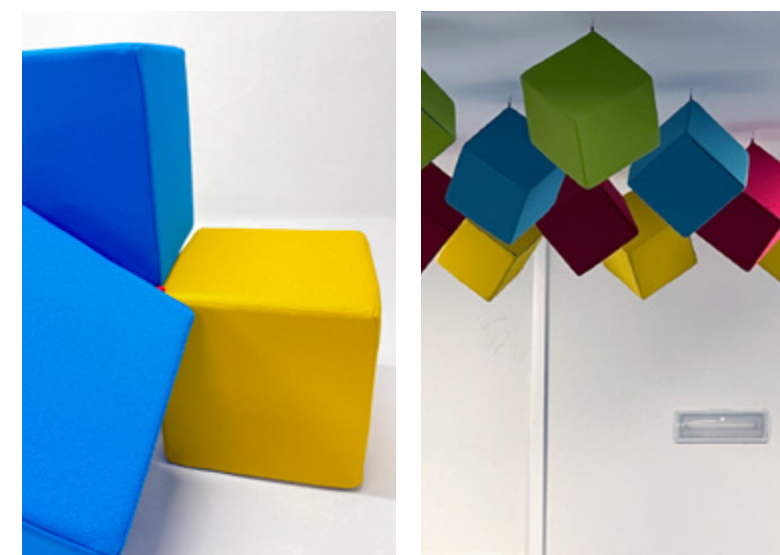
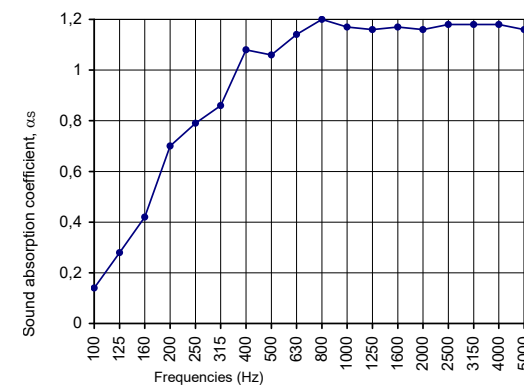
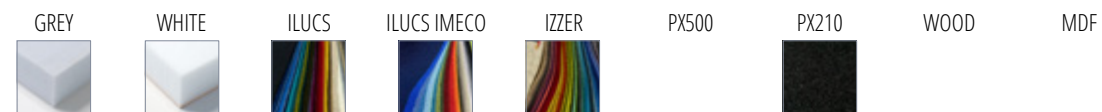
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



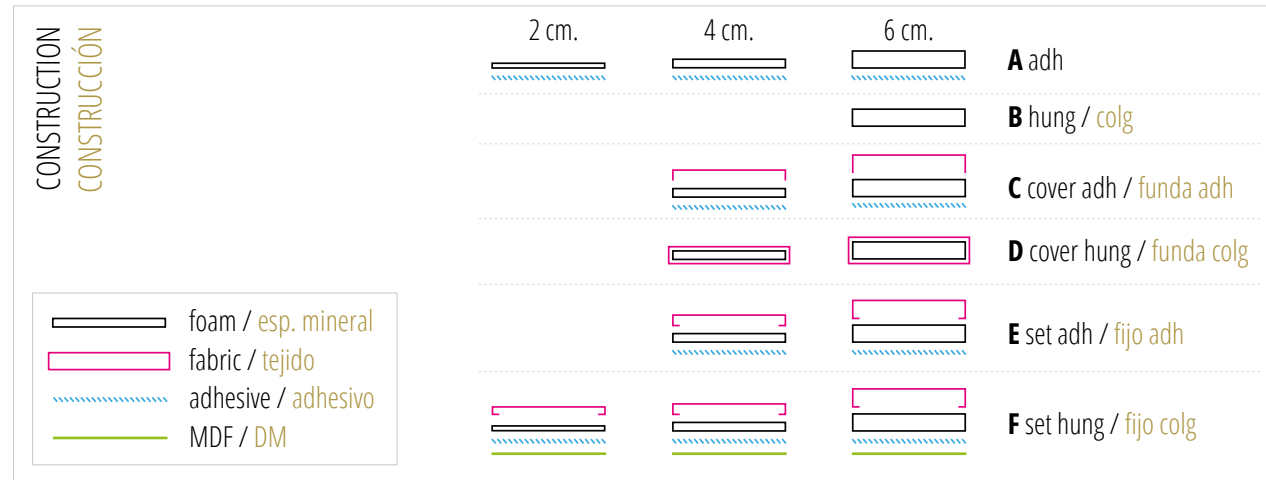
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | |
|------------------------------|-----------------------------|------------------------|---------------------------|------------------------|-----------------|----------------------------------|-----------------------|---------------------|
| A LEVEL ABSORPTION | 10 YEARS WARRANTY | B-s1-d0 | B-s2-d0 | C-s1-d0 | C-s2-d0 | CO₂ NEUTRAL | RECYCLABLE | COMPOSTABLE |
| ACOUSTIC ABSORPTION | RELOCATABLE | REMOVABLE COVER | LOGO SUBLIMABLE | LOW TEMPERATURE | WASHABLE | WITH SOAP | HYPOALLERGENIC | LIGHT WEIGHT |

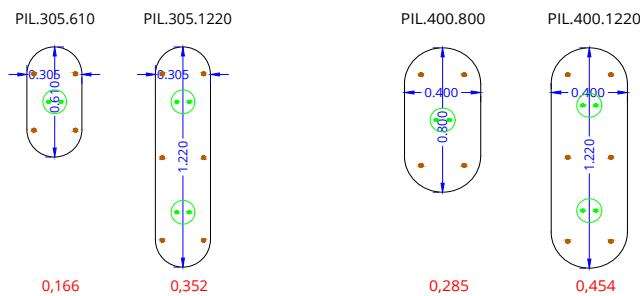
AVAILABLE FINISHES / ACABADOS DISPONIBLES



PILL



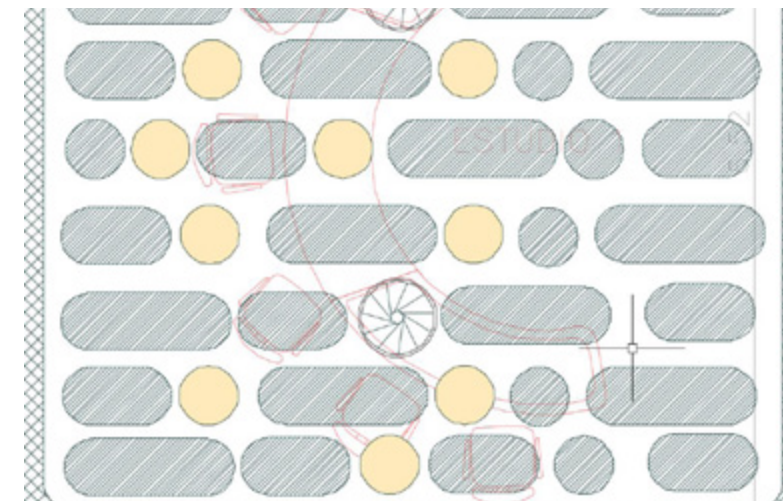
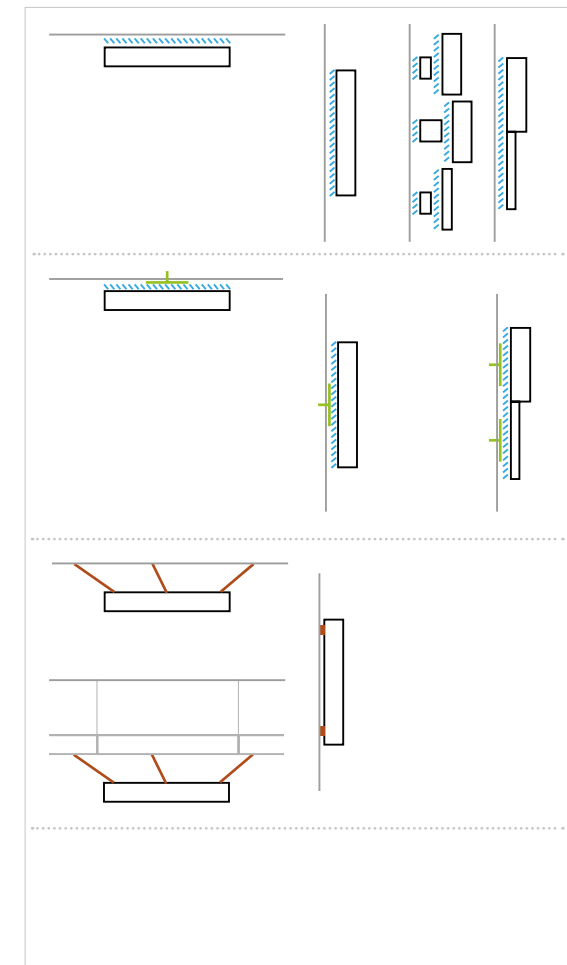
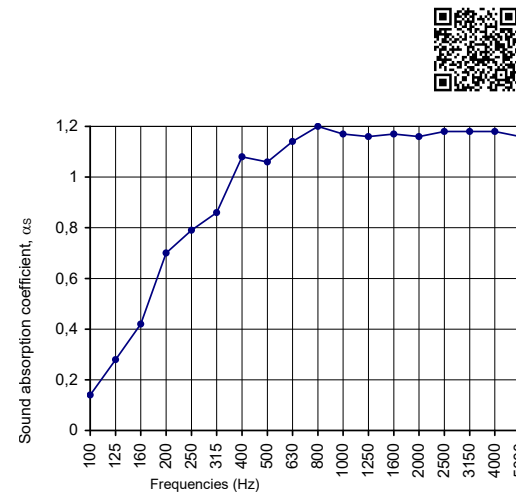
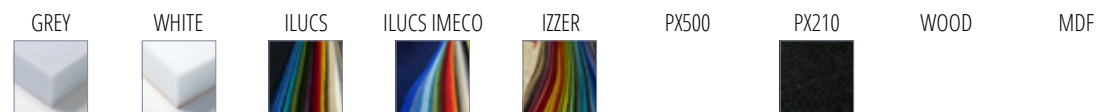
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



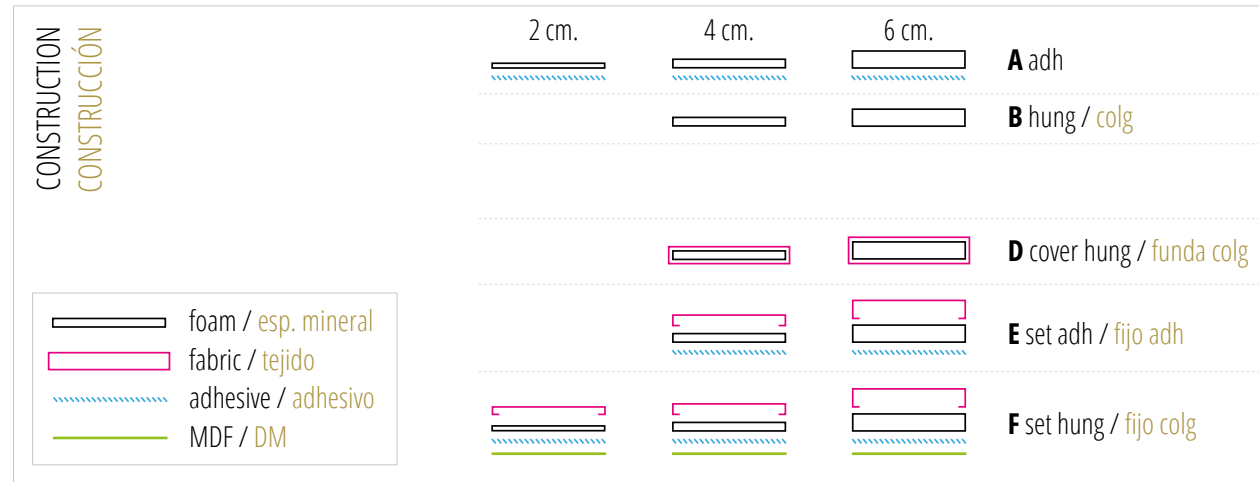
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

| | | | | | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|-------------------------|--------------------|----------|-----------|----------------|----------------------------|------------|-------------|
| A LEVEL ABSORPTION | B LEVEL ABSORPTION | C LEVEL ABSORPTION | 10 YEARS WARRANTY | B-s1-d0 | B-s2-d0 | C-s1-d0 | C-s2-d0 | CO ₂ NEUTRAL | RECYCLABLE | COMPOSTABLE |
| ACOUSTIC ABSORPTION | RELOCATABLE | REMOVABLE COVER | LOGO SUBLIMABLE | LOW TEMPERATURE | WASHABLE | WITH SOAP | HYPOALLERGENIC | LIGHT WEIGHT | | |

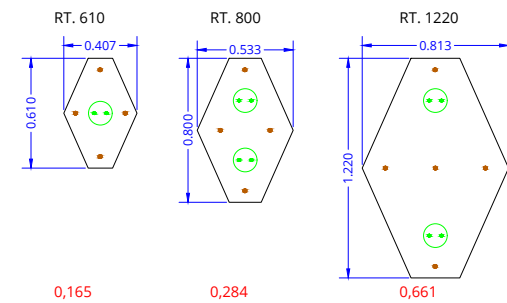
AVAILABLE FINISHES / ACABADOS DISPONIBLES



TRISMA



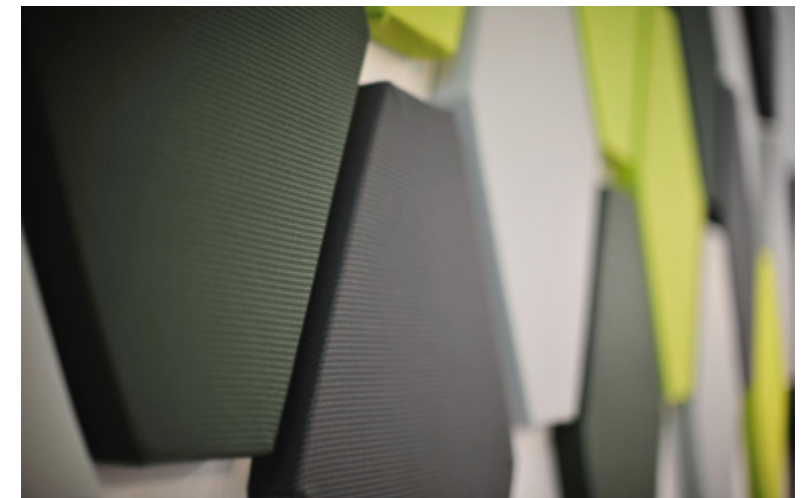
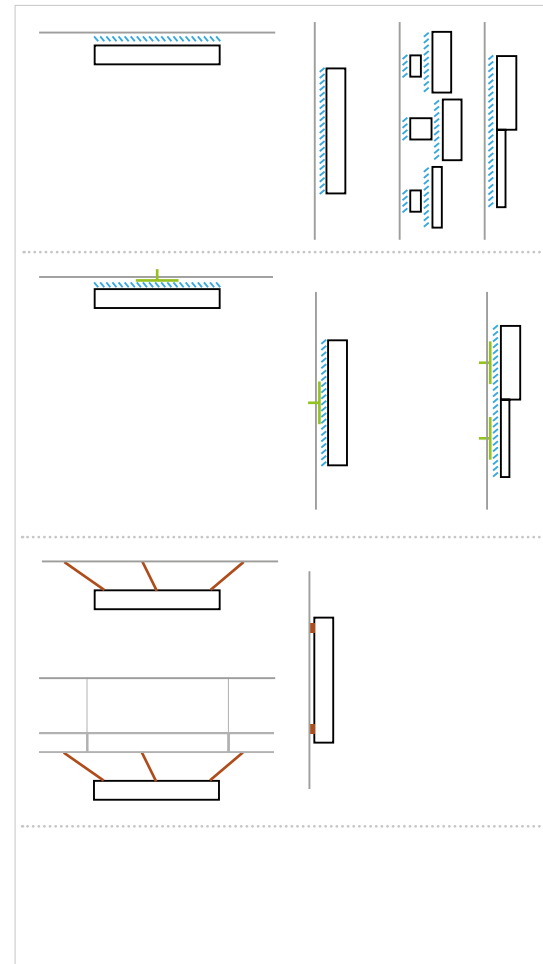
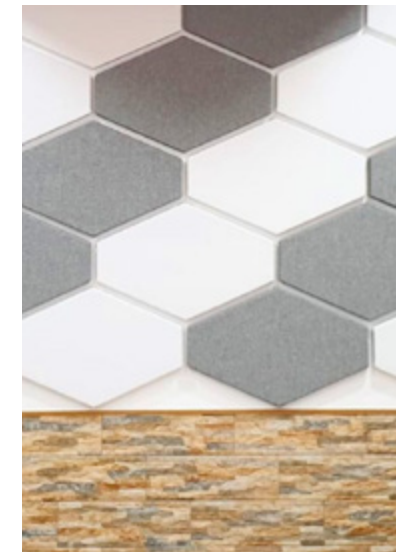
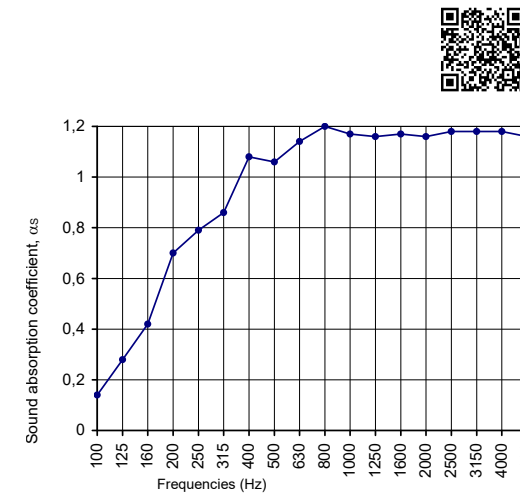
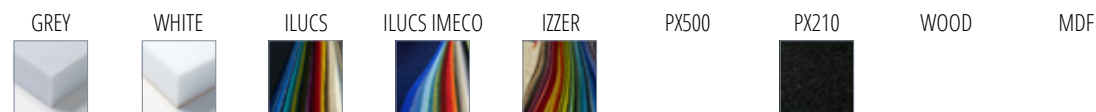
STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

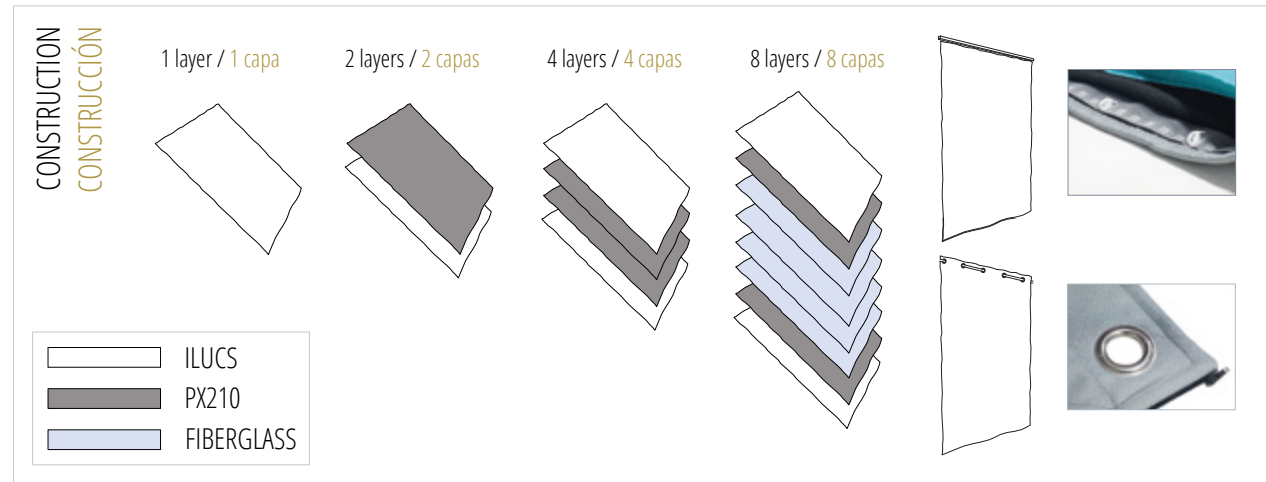
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AVAILABLE FINISHES / ACABADOS DISPONIBLES





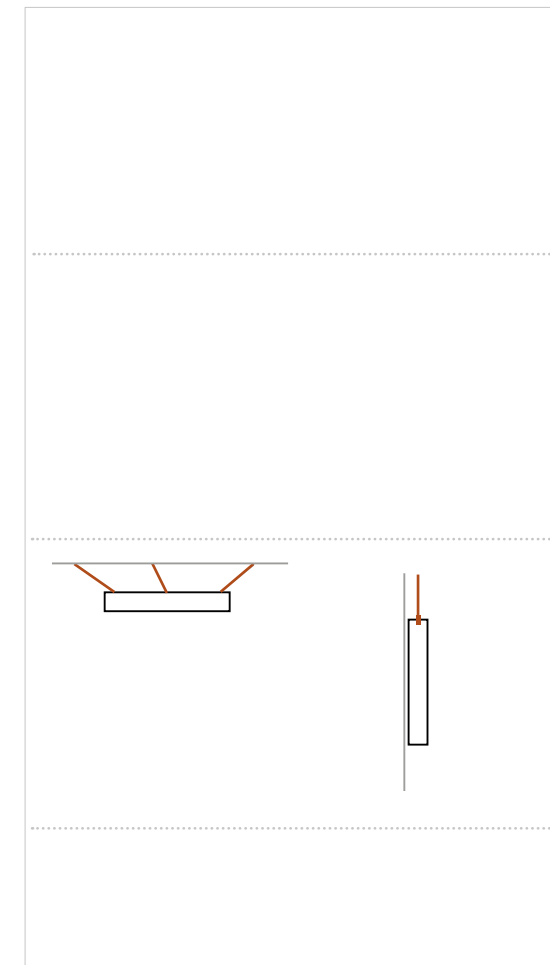
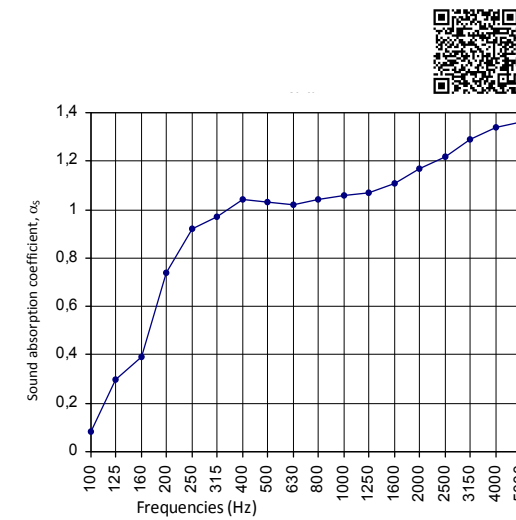
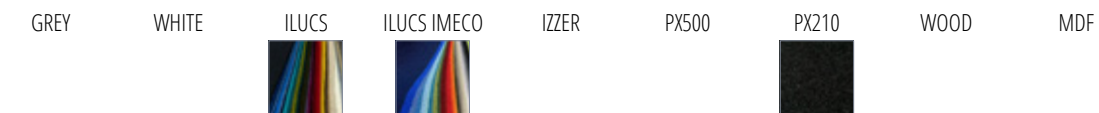
ILUCS CURTAINS / CORTINAS ILUCS



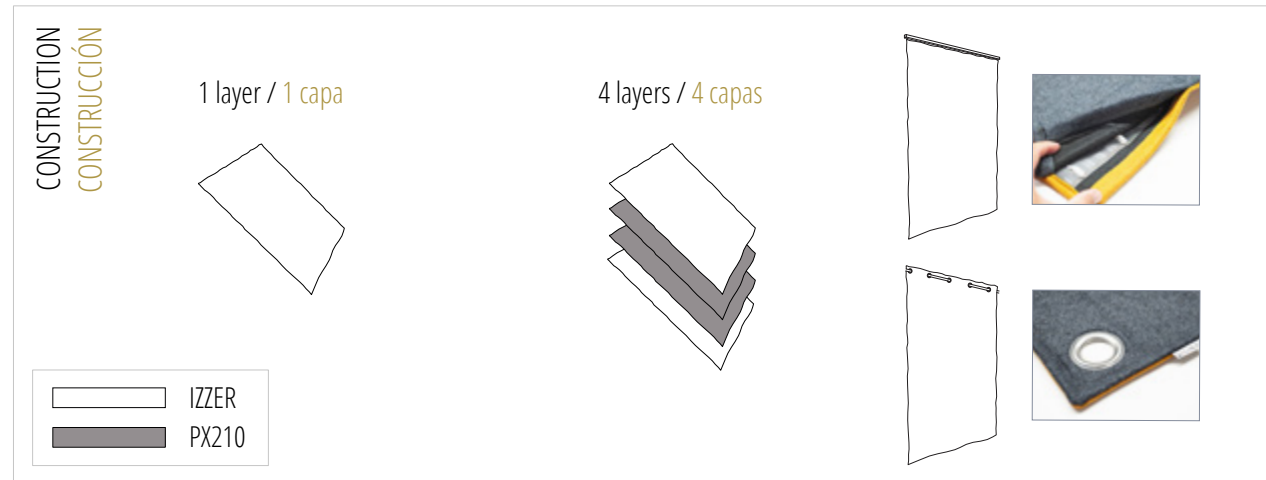
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

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AVAILABLE FINISHES / ACABADOS DISPONIBLES



IZZER CURTAINS / CORTINAS IZZER



1 LAYER / 1 CAPA



4 LAYERS / 4 CAPAS

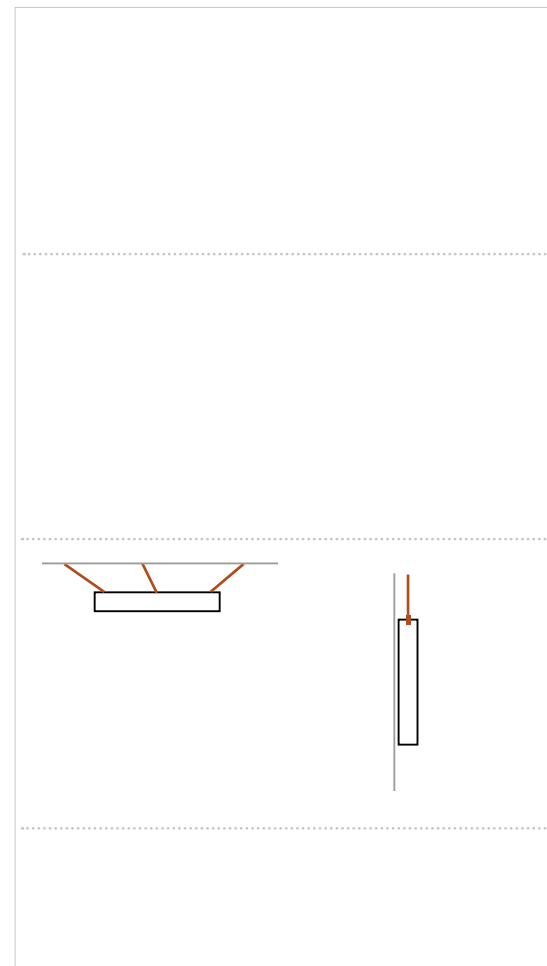
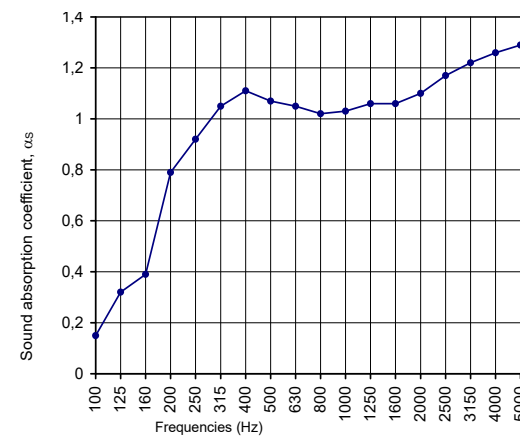


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

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AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



PX500 CURTAIN / CORTINA PX500

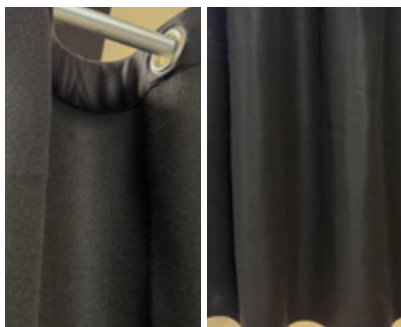


CONSTRUCTION / CONSTRUCCIÓN

1 layer / 1 capa

■ PX500

1 LAYER / 1 CAPA

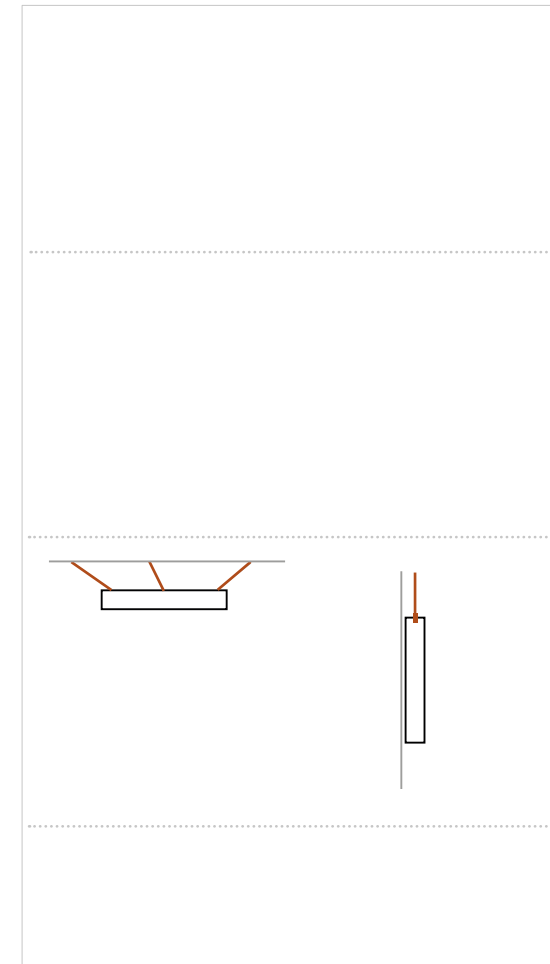
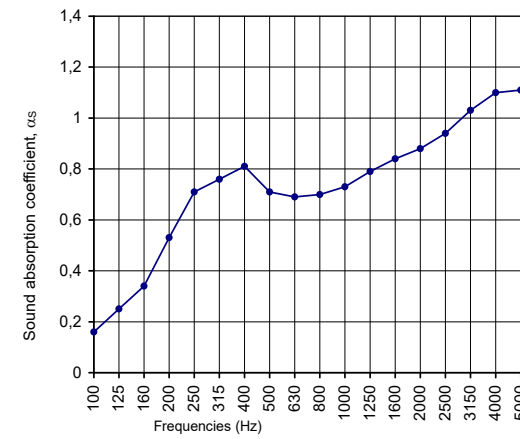


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

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AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500**
- PX210
- WOOD
- MDF



WB ILUCS



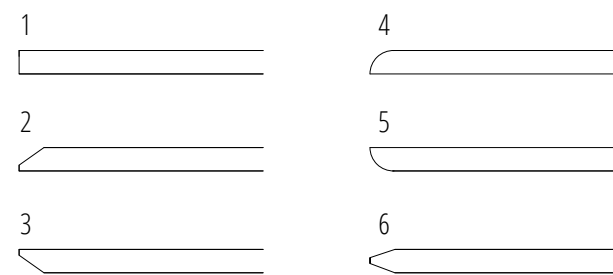
CONSTRUCTION / CONSTRUCCIÓN

3,3 cm.

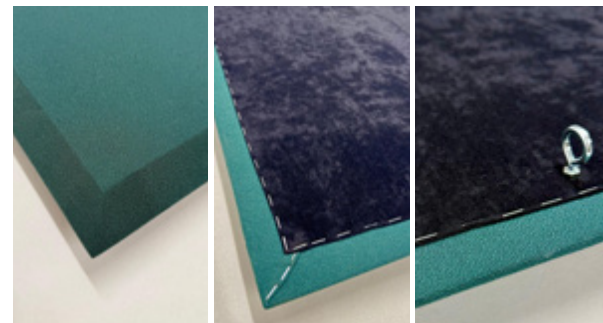
D cover hung / funda colg

- foam / esp. mineral
- fabric / tejido
- wood / madera

STANDAR SECTION / SECCIÓN ESTÁNDAR



DETAILS' PICTURES / FOTOS DE DETALLE

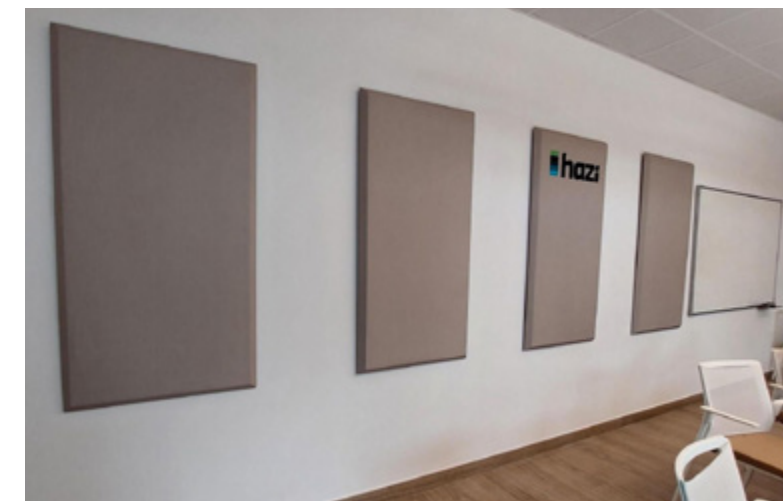
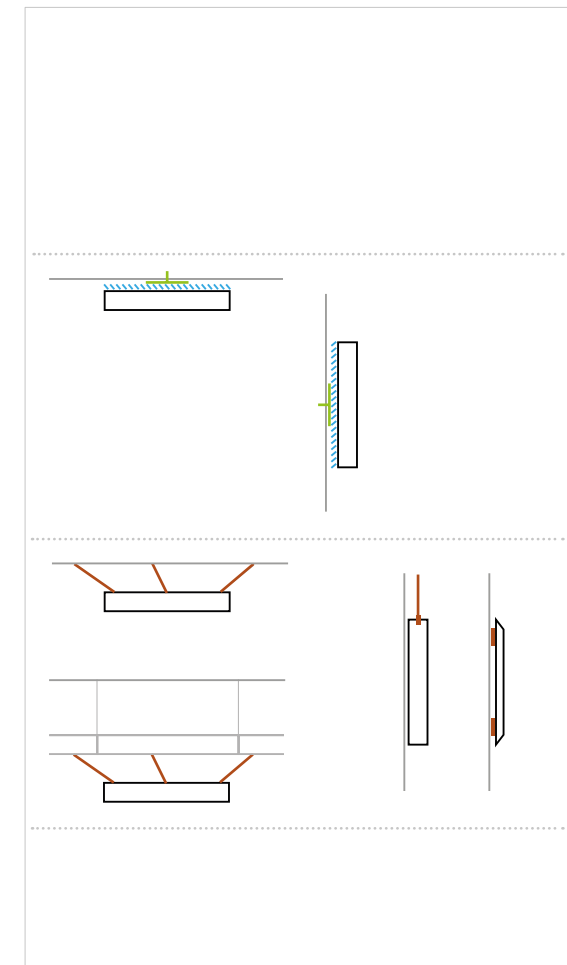
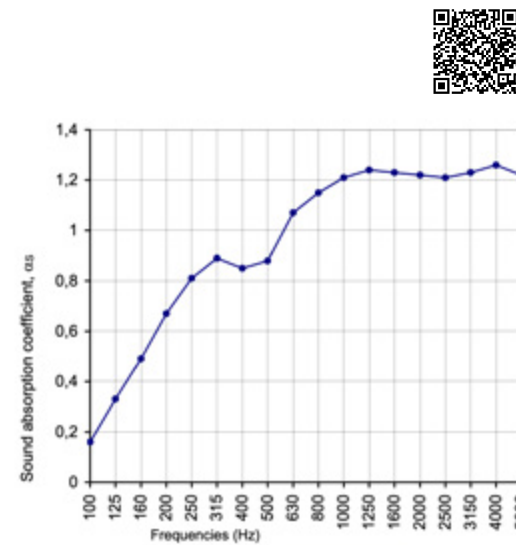


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

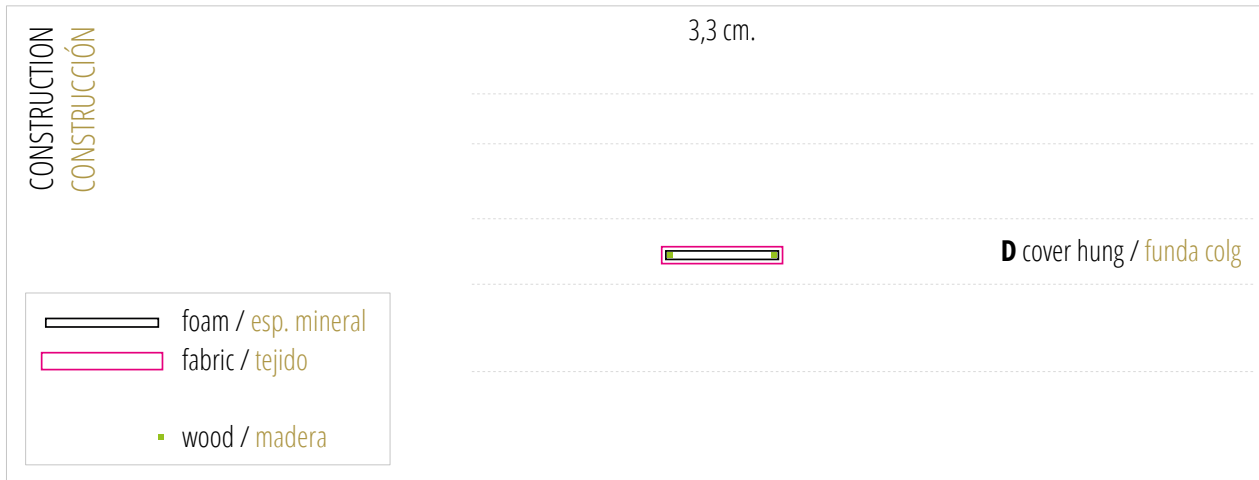
- A LEVEL ABSORPTION
- 10 YEARS WARRANTY
- B-s1-d0
- C-s2-d0
- CO₂ NEUTRAL
- RECYCLABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- LOGO SUBLIMABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC

AVAILABLE FINISHES / ACABADOS DISPONIBLES

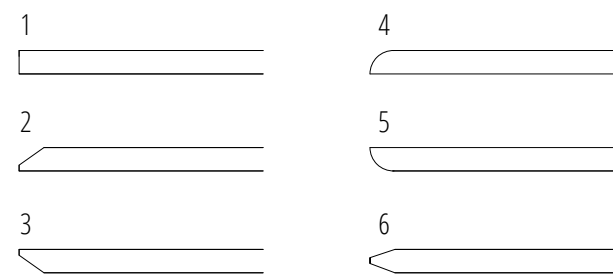
GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



WB IMECO



STANDAR SECTION / SECCIÓN ESTÁNDAR



DETAILS' PICTURES / FOTOS DE DETALLE

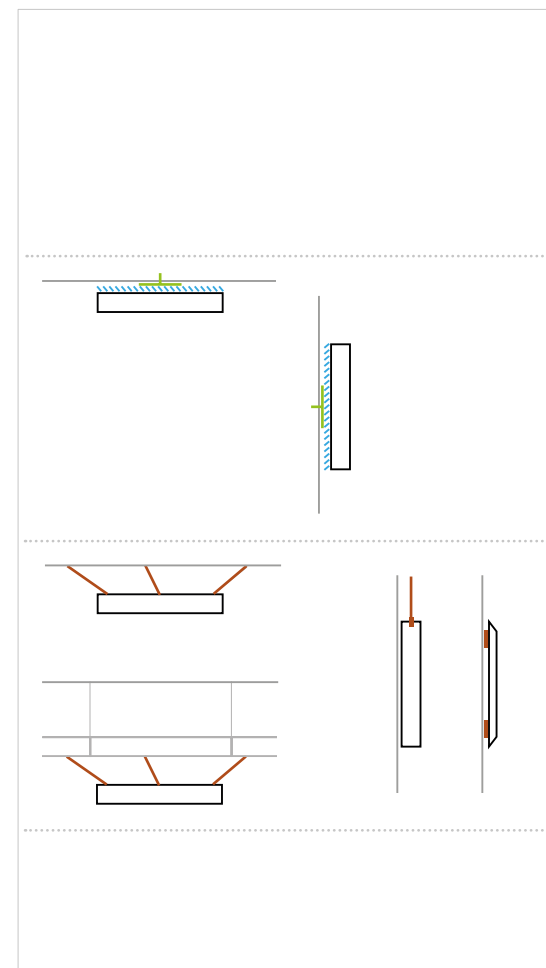
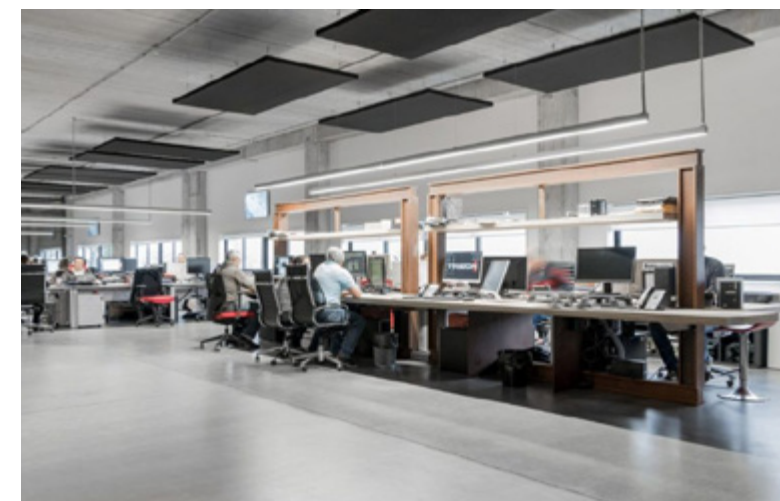
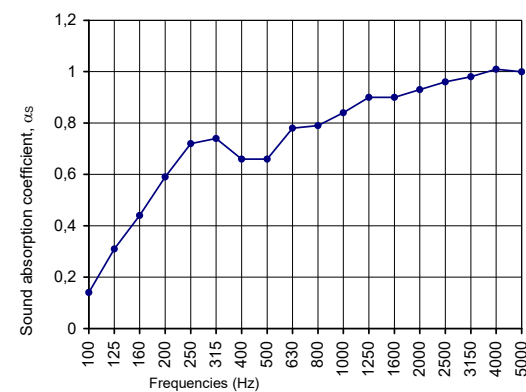


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

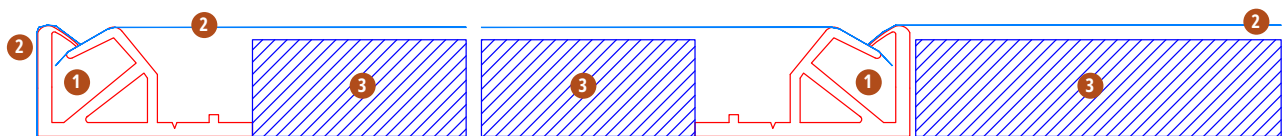
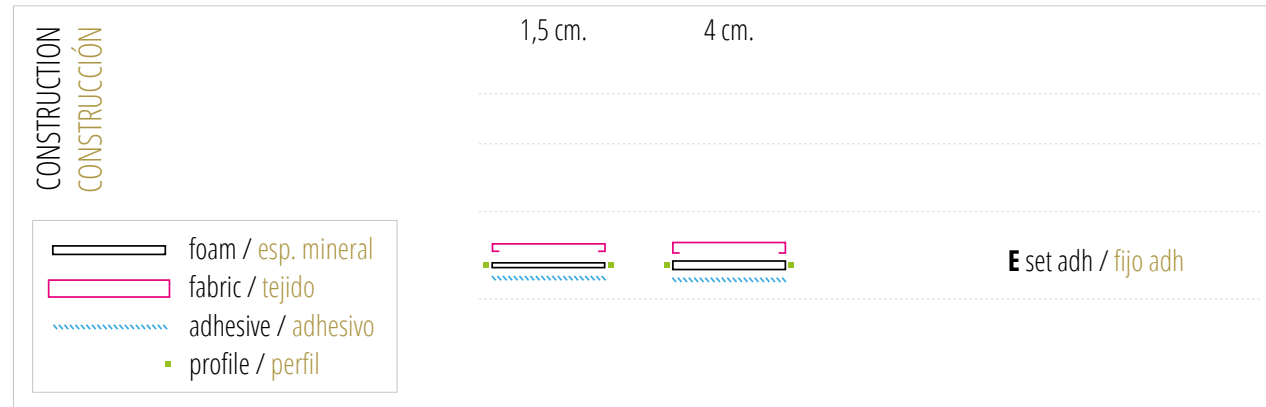
- B LEVEL ABSORPTION
- 10 YEARS WARRANTY
- C-s1-d0
- CO₂ NEUTRAL
- COMPOSTABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC

AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



TENSTEX



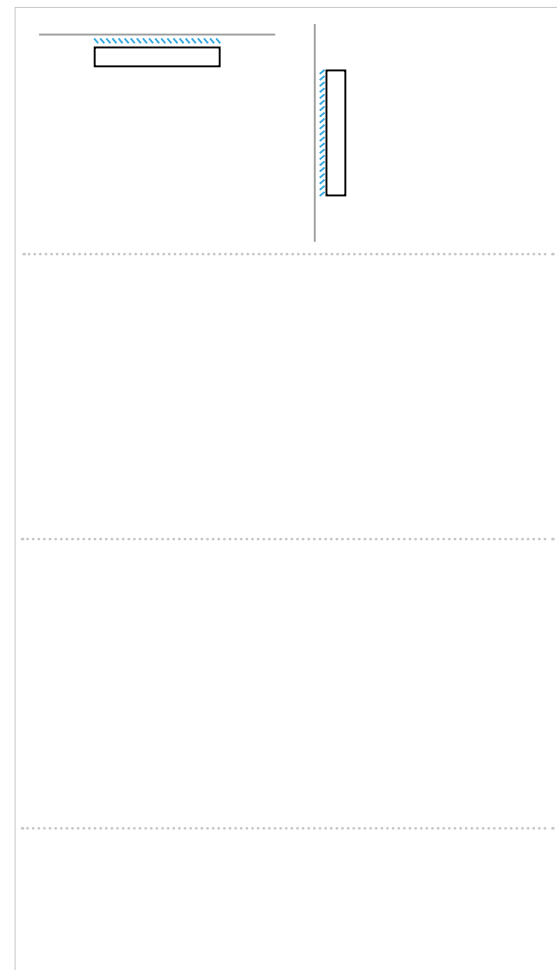
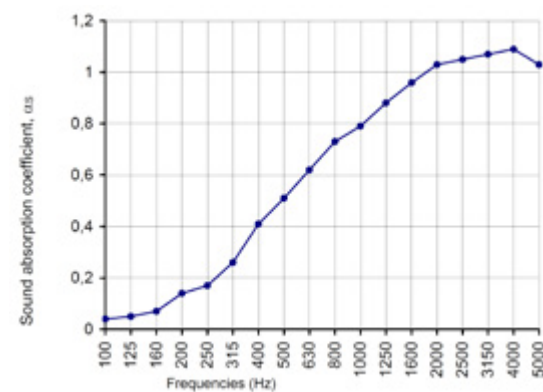
DETAILS' PICTURES / FOTOS DE DETALLE



TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



NENUFAR



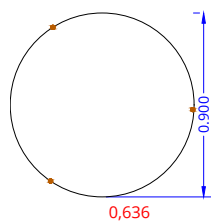
CONSTRUCTION / CONSTRUCCIÓN

0,7 cm.

D cover hung / funda colg

- wool / lana
- fabric / tejido
- PX210

STANDARD DIMENSIONS / DIMENSIONES ESTÁNDAR



DETAILS' PICTURES / FOTOS DE DETALLE

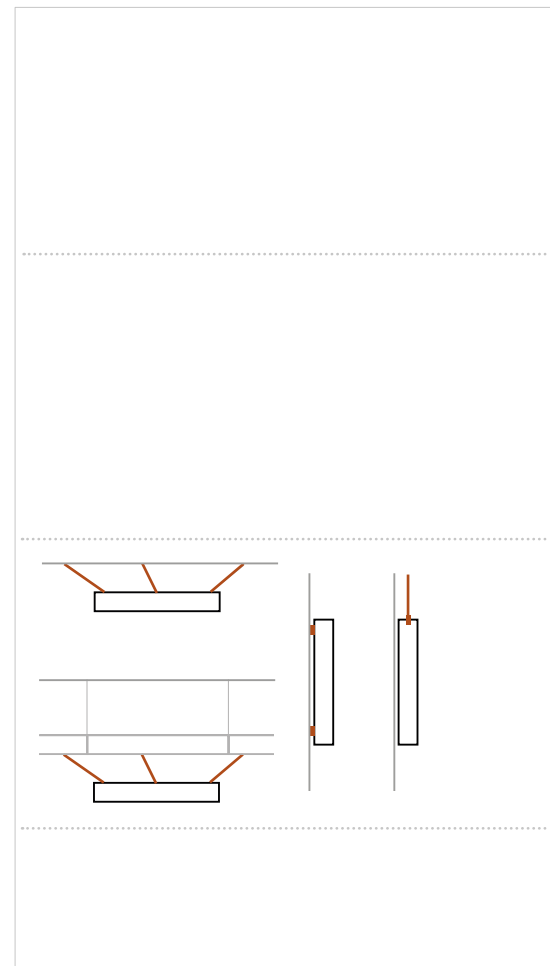
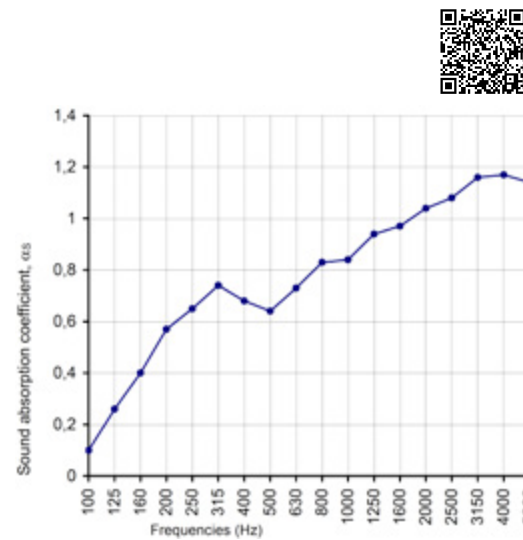


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- B LEVEL ABSORPTION**
- 10 YEARS WARRANTY**
- B-s1-d0**
- CO2 NEUTRAL**
- RECYCLABLE**
- ACOUSTIC ABSORPTION**
- THERMAL ISOLATION**
- RELOCATABLE**
- LOGO SUBLIMABLE**
- LOW TEMPERATURE**
- WASHABLE**
- WITH SOAP**
- HYPOALLERGENIC**
- LIGHT WEIGHT**

AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF





GOLD DESK DIVIDERS / DIVISORIA GOLD

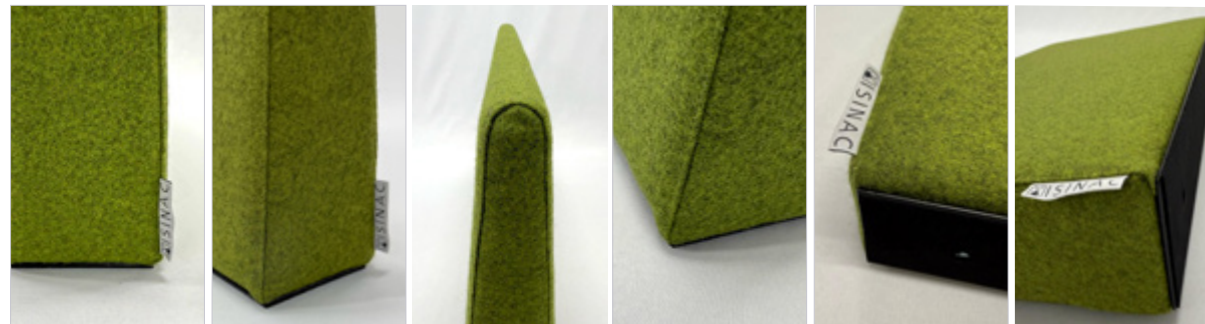


CONSTRUCTION / CONSTRUCCIÓN

0.02
0.40
0.13

foam / esp. mineral
fabric / tejido
iron sheet / chapa
MDF / DM

DETAILS' PICTURES / FOTOS DE DETALLE

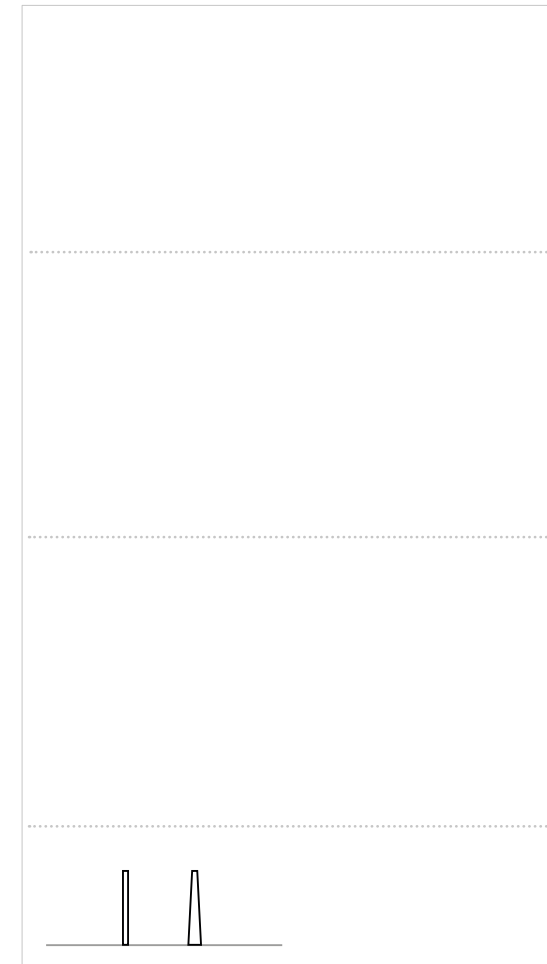
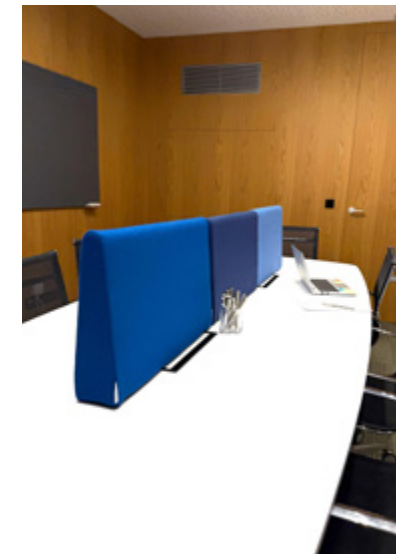
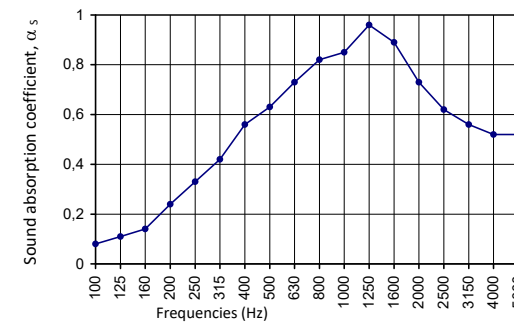


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

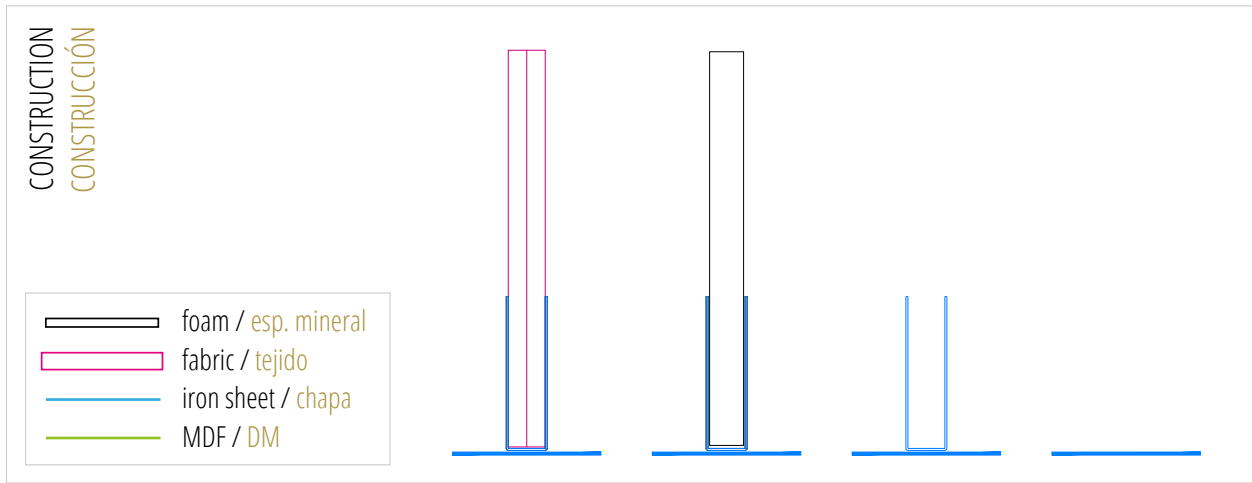


AVAILABLE FINISHES / ACABADOS DISPONIBLES

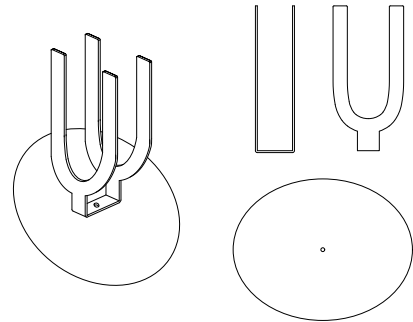
GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



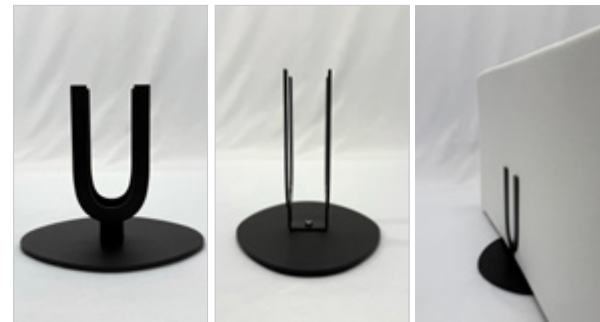
SILVER DESK DIVIDERS / DIVISORIA SILVER



DETAILS / DETALLES



DETAILS' PICTURES / FOTOS DE DETALLE

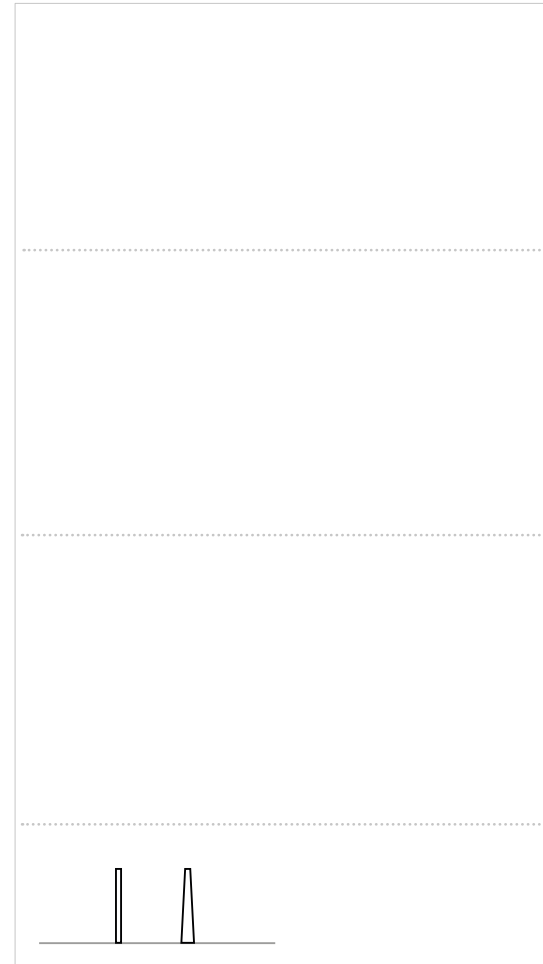
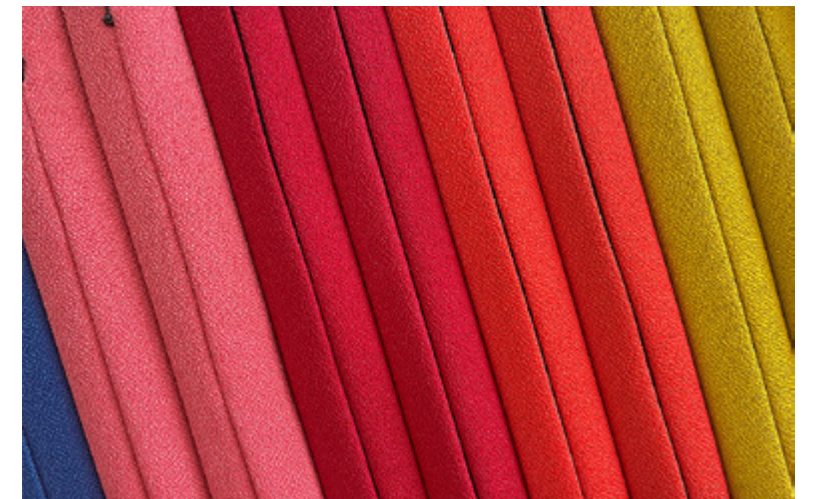
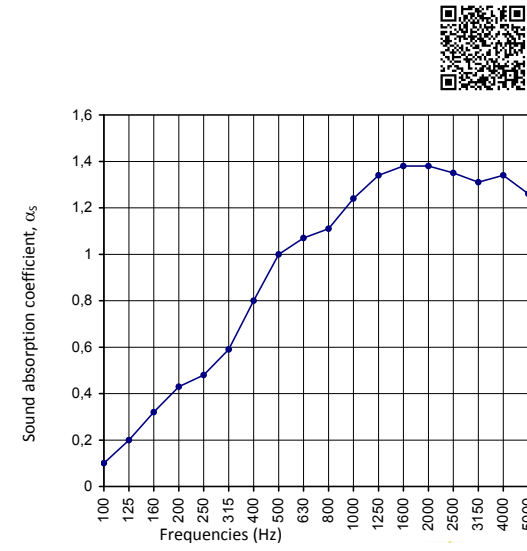


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

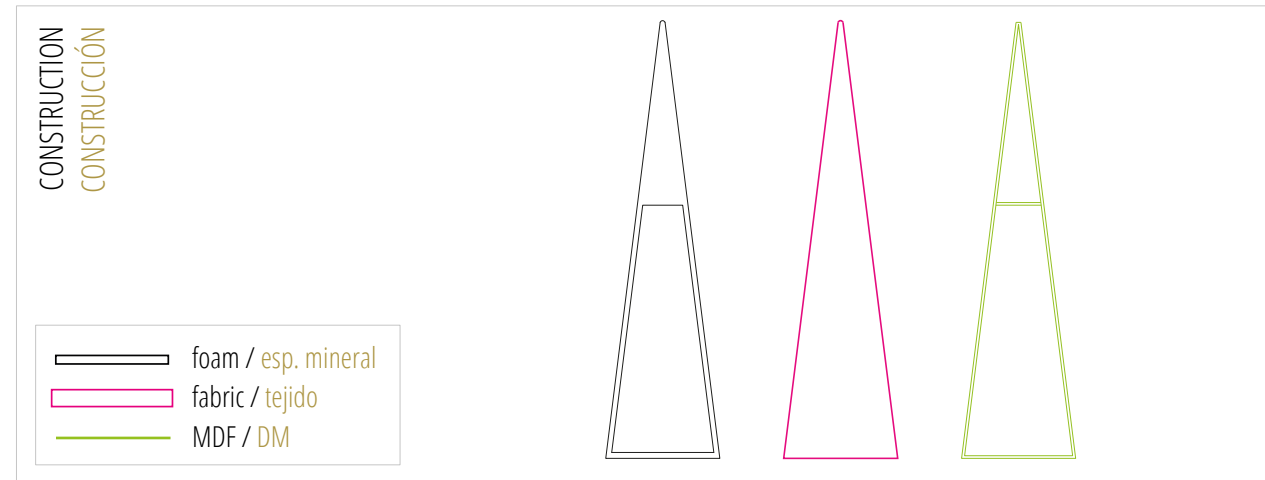
- B LEVEL ABSORPTION**
- 10 YEARS WARRANTY**
- B-s1-d0**
- CO₂ NEUTRAL**
- RECYCLABLE**
- ACOUSTIC ABSORPTION**
- ACOUSTIC ISOLATION**
- RELOCATABLE**
- REMOVABLE COVER**
- LOGO SUBLIMABLE**
- LOW TEMPERATURE**
- WASHABLE**
- WITH SOAP**
- HYPOALLERGENIC**
- LIGHT WEIGHT**

AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
 - WHITE
 - ILUCS
 - ILUCS IMECO
 - IZZER
 - PX500
 - PX210
 - WOOD
 - MDF
-



GOLD ROOM DIVIDERS / BIOMBO GOLD



DETAILS ' PICTURES / FOTOS DE DETALLE

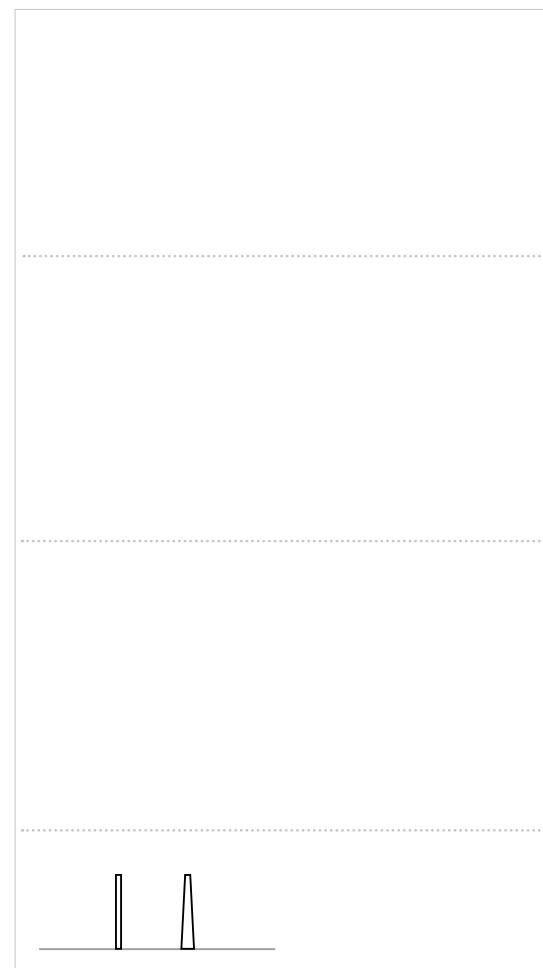
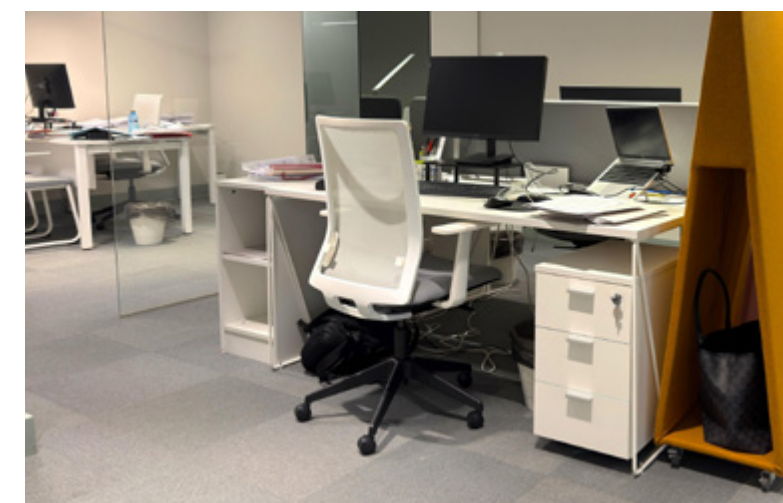
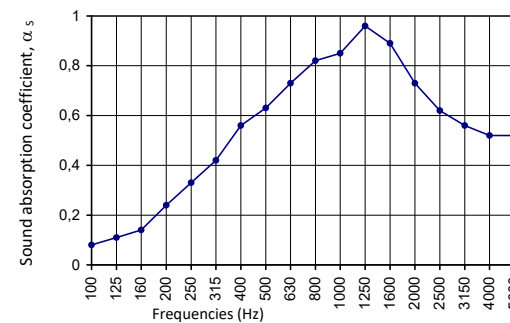


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

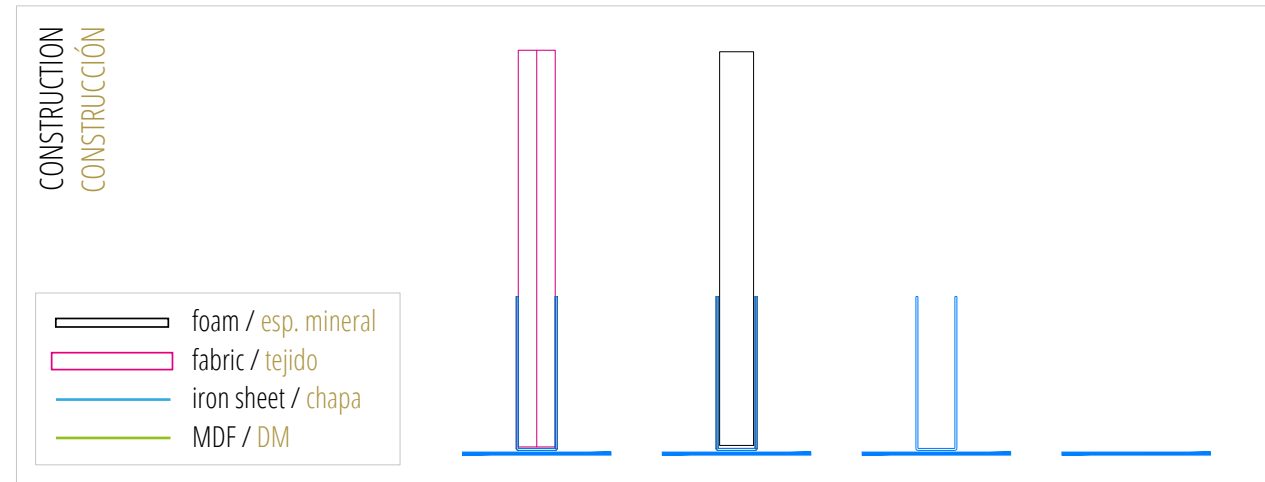


AVAILABLE FINISHES / ACABADOS DISPONIBLES

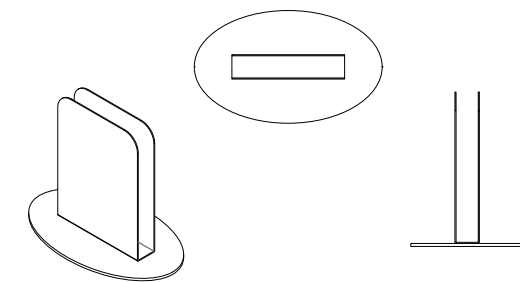
GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



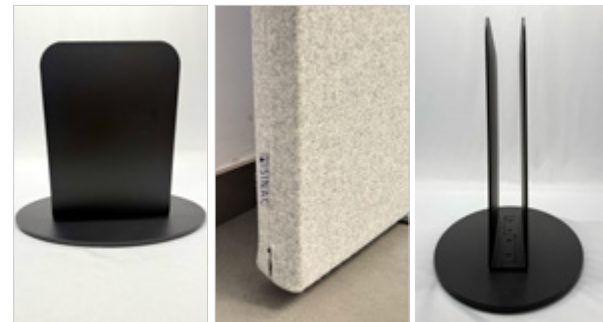
SILVER ROOM DIVIDERS / BIOMBO SILVER



DETAILS / DETALLES



DETAILS' PICTURES / FOTOS DE DETALLE

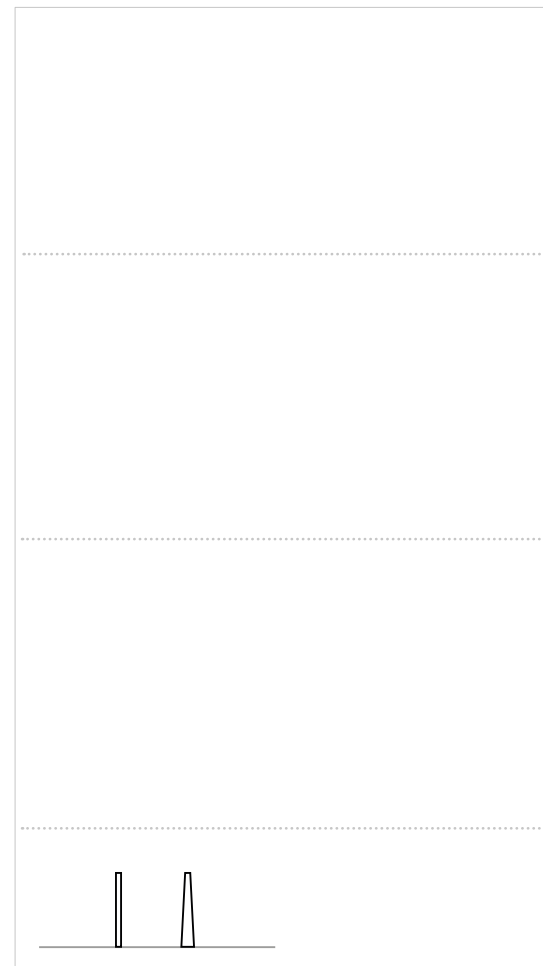
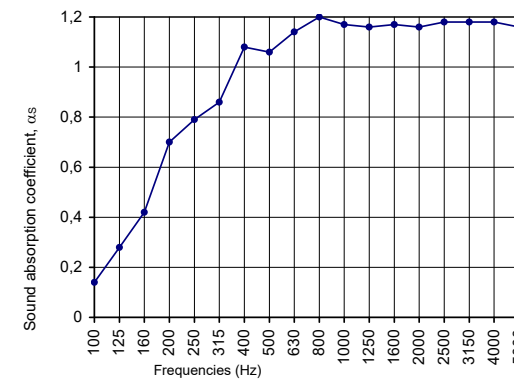


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

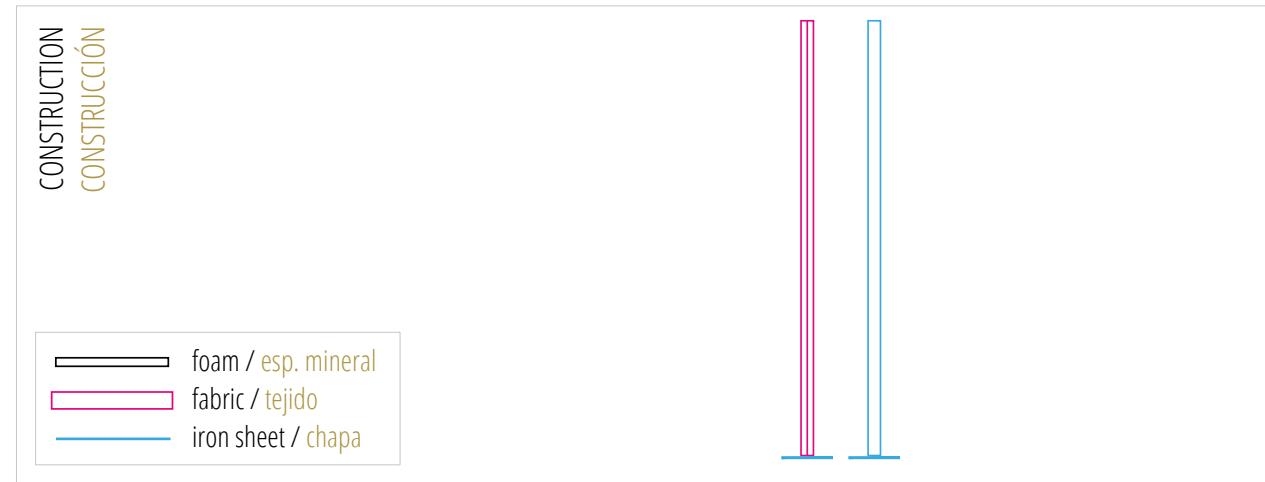
- A LEVEL ABSORPTION**
- 10 YEARS WARRANTY**
- B-s1-d0** (Fire resistance)
- CO2 NEUTRAL**
- RECYCLABLE**
- ACOUSTIC ABSORPTION**
- ACOUSTIC ISOLATION**
- RELOCATABLE**
- REMOVABLE COVER**
- LOGO SUBLIMABLE**
- LOW TEMPERATURE**
- WASHABLE**
- WITH SOAP**
- HYPOALLERGENIC**
- LIGHT WEIGHT**

AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
 - WHITE
 - ILUCS
 - ILUCS IMECO
 - IZZER
 - PX500
 - PX210
 - WOOD
 - MDF
-



BRONZE ROOM DIVIDERS / BIOMBO BRONCE



DETAILS ' PICTURES / FOTOS DE DETALLE

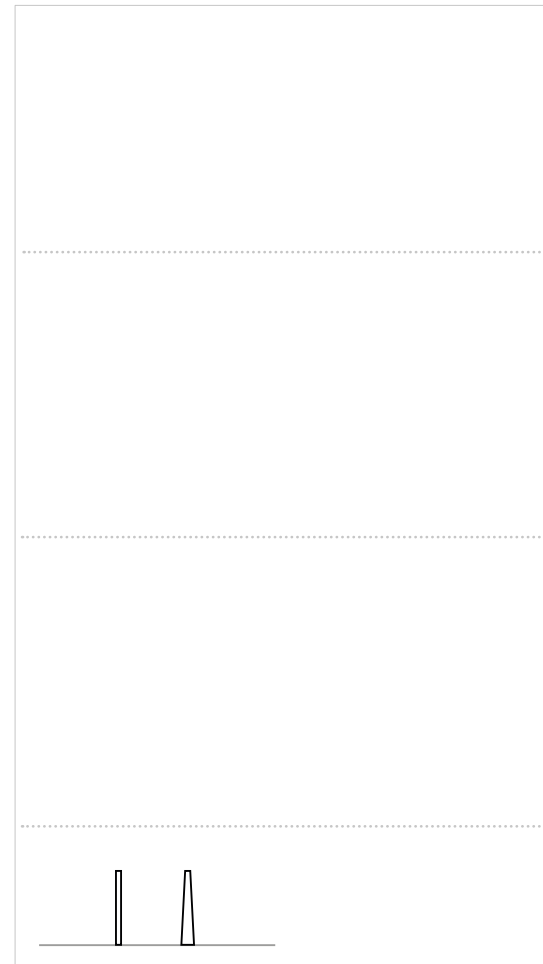
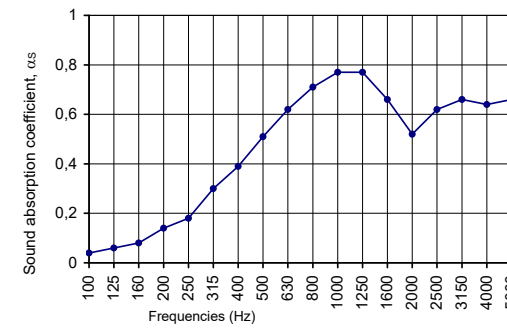


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

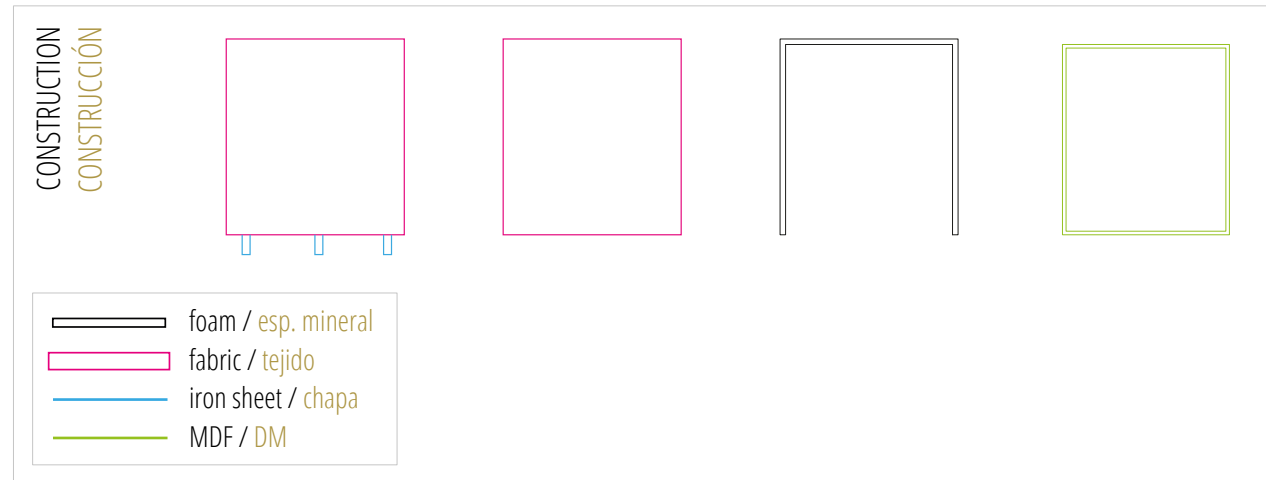


AVAILABLE FINISHES / ACABADOS DISPONIBLES

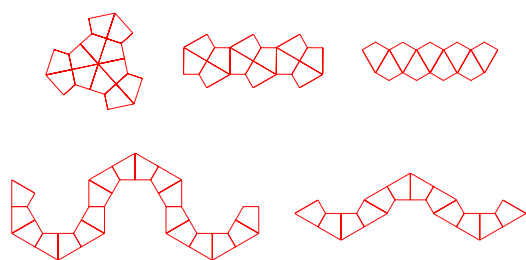
GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF



DIAMOND PUFF



DETAILS / DETALLES



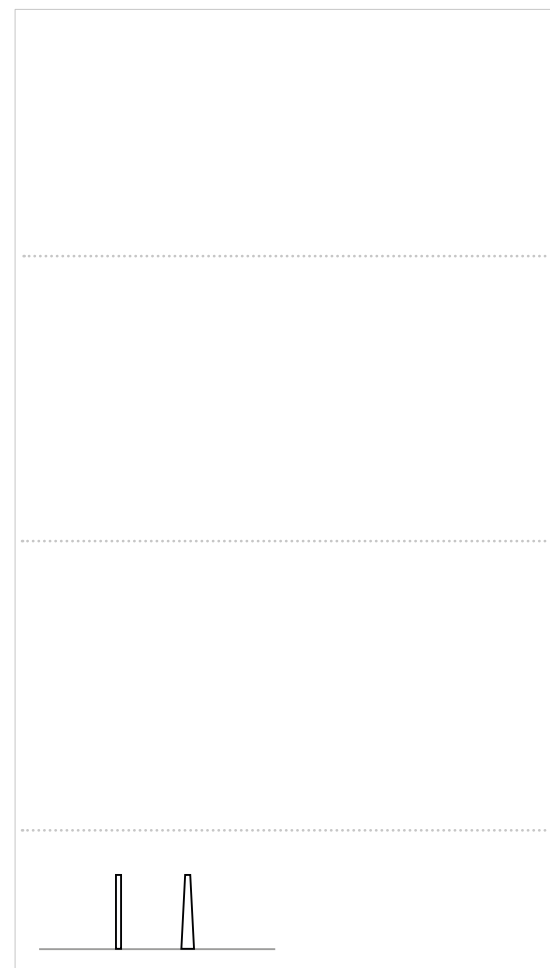
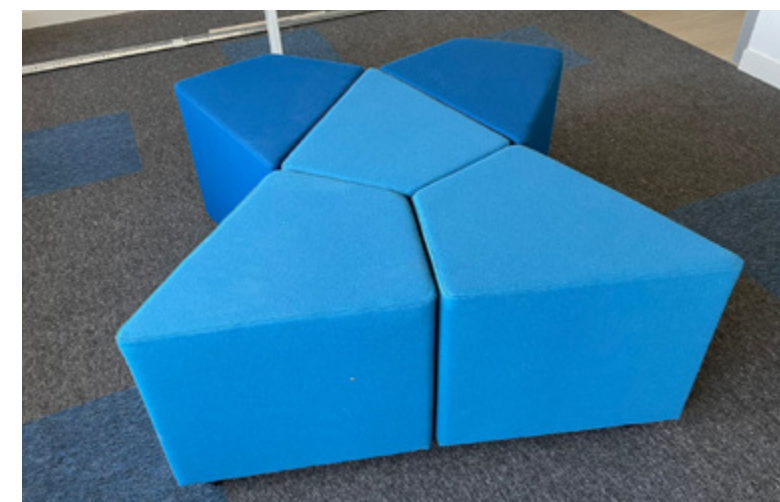
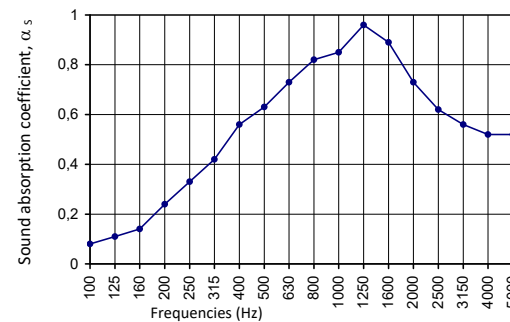
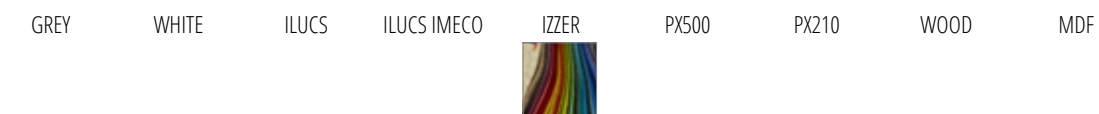
DETAILS' PICTURES / FOTOS DE DETALLE



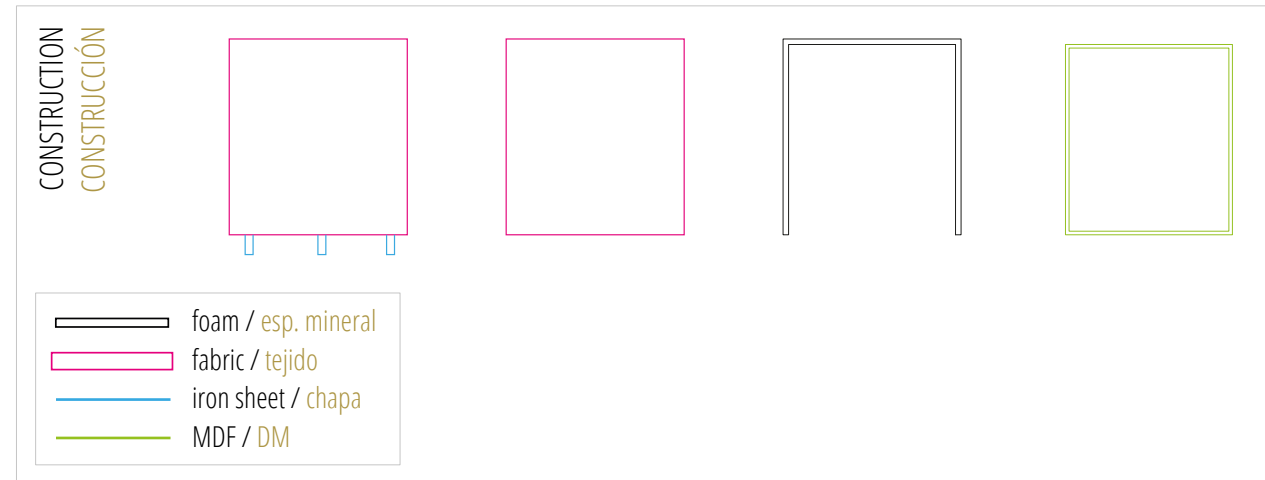
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



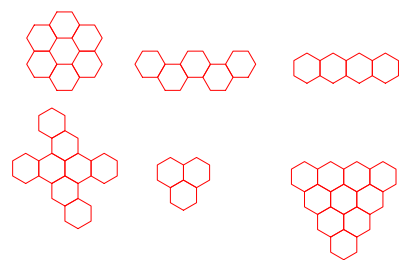
AVAILABLE FINISHES / ACABADOS DISPONIBLES



BASALT PUFF



DETAILS / DETALLES



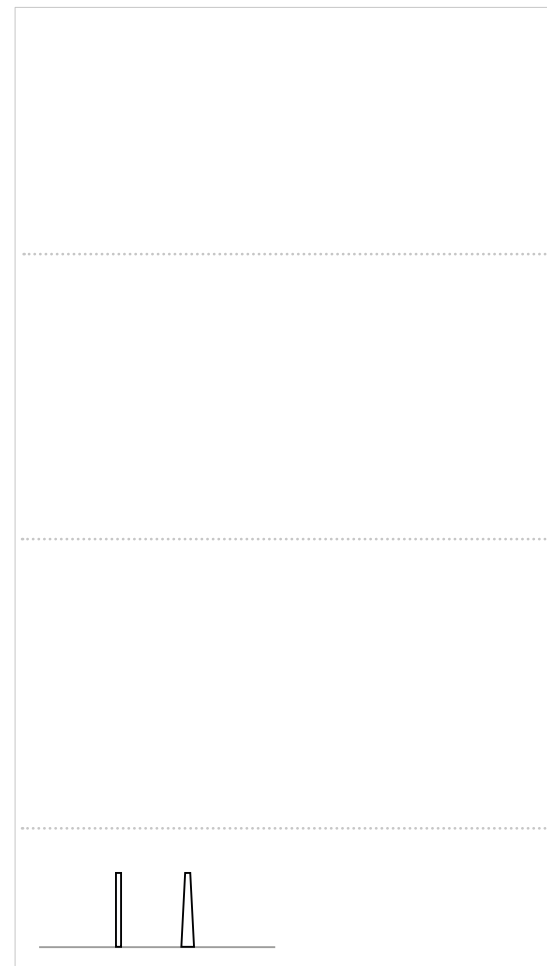
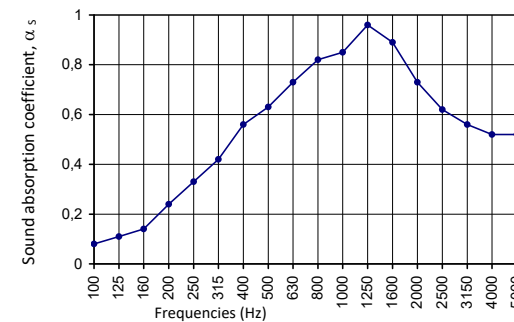
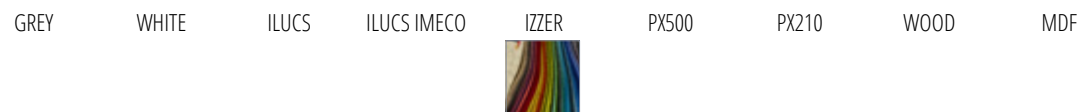
DETAILS' PICTURES / FOTOS DE DETALLE



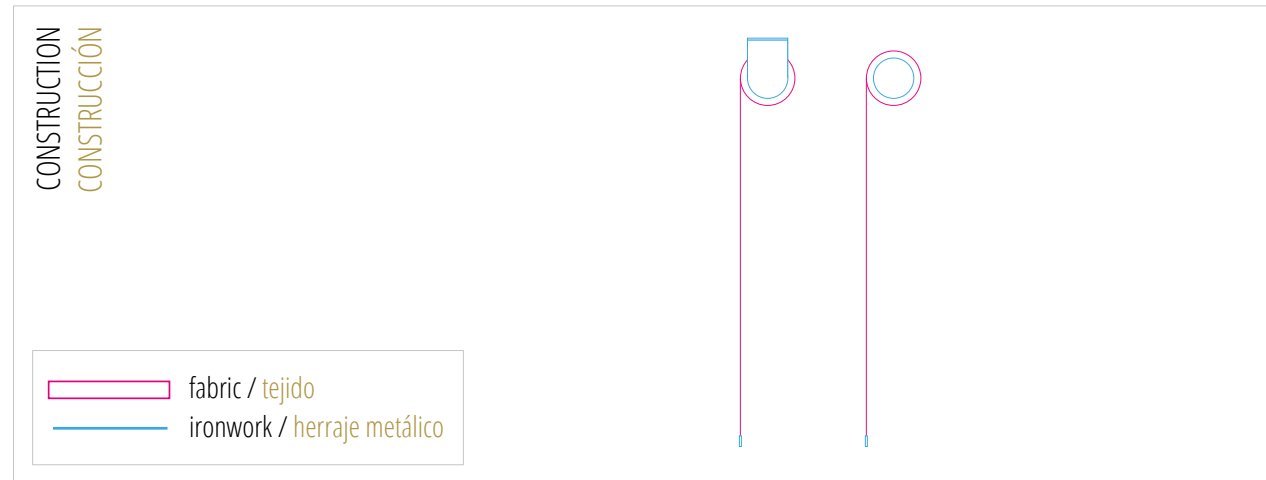
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



AVAILABLE FINISHES / ACABADOS DISPONIBLES



BLIND / ESTOR



DETAILS ' PICTURES / FOTOS DE DETALLE

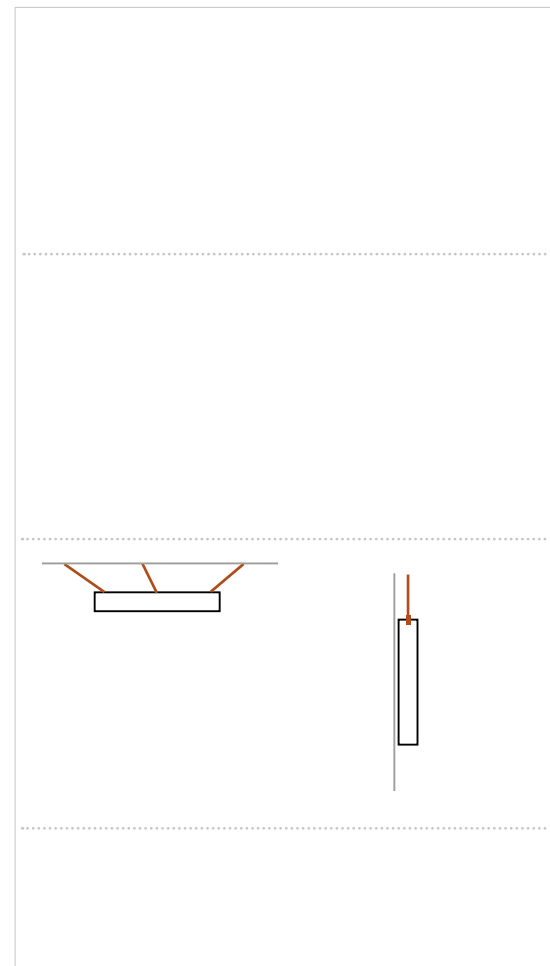
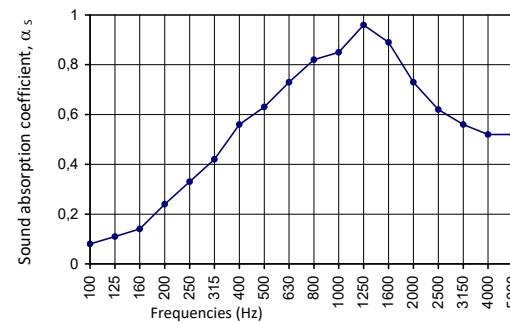


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

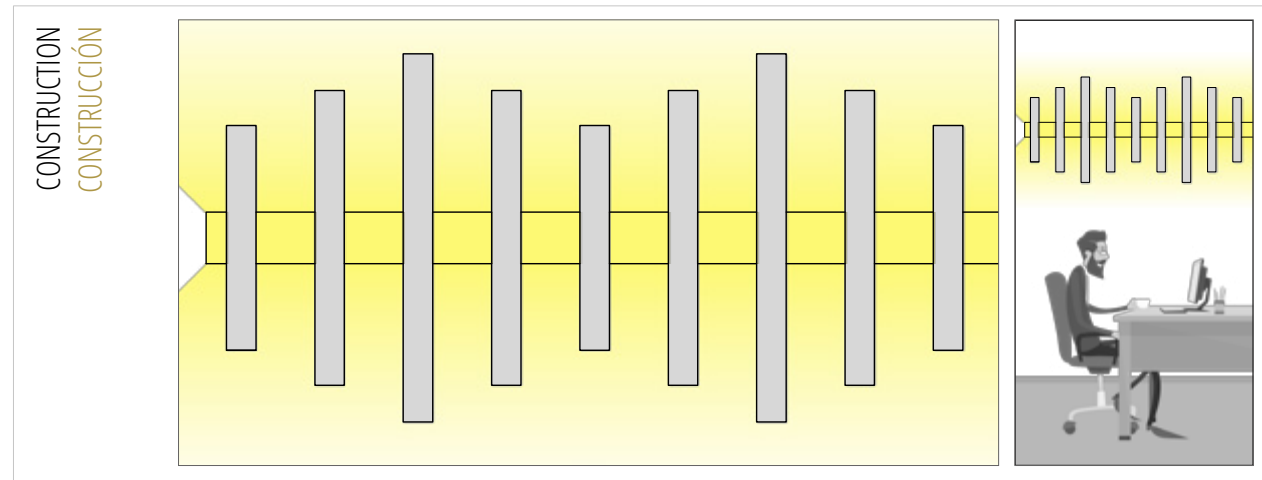
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AVAILABLE FINISHES / ACABADOS DISPONIBLES

| | | | | | | | | |
|------|-------|-------|-------------|-------|-------|-------|------|-----|
| GREY | WHITE | ILUCS | ILUCS IMECO | IZZER | PX500 | PX210 | WOOD | MDF |
| | | | | | | | | |



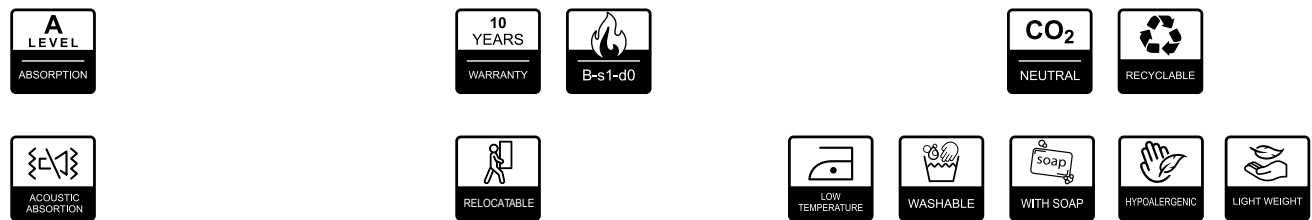
IKLA IZU



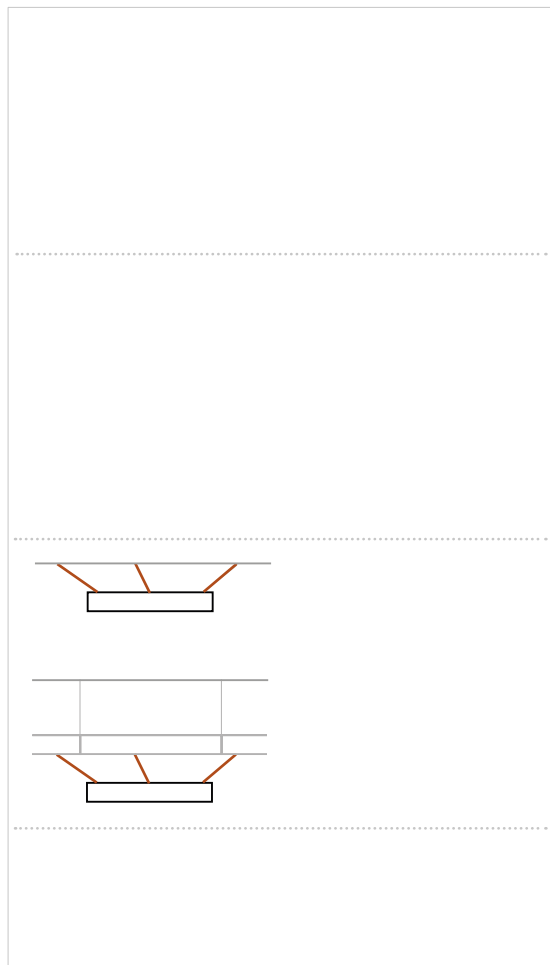
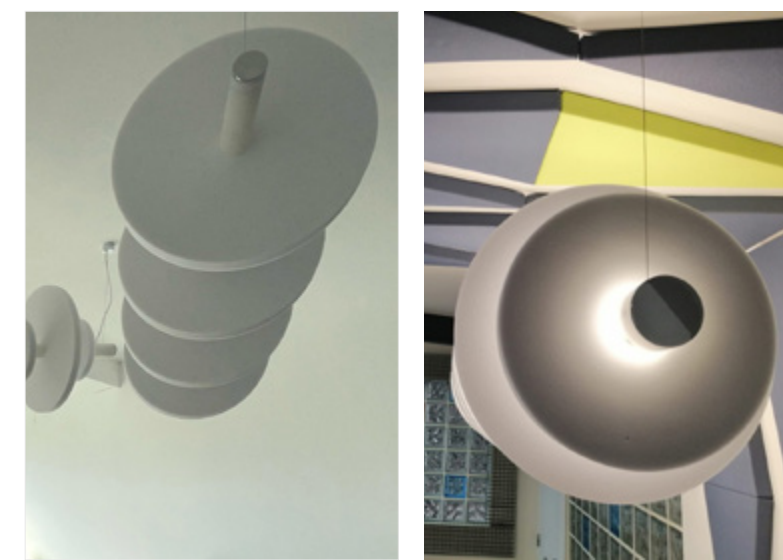
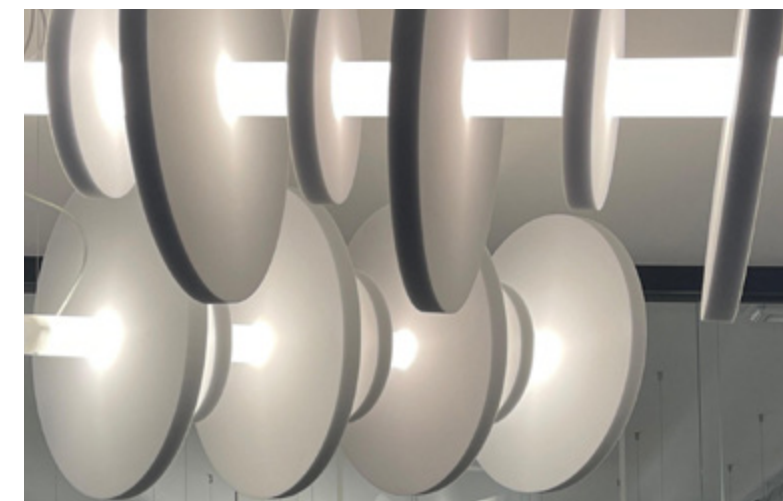
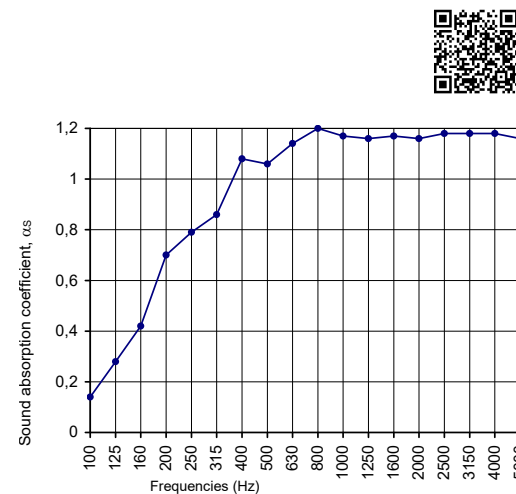
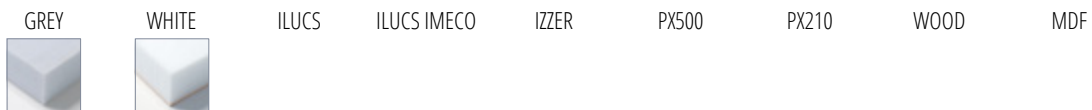
DETAILS' PICTURES / FOTOS DE DETALLE



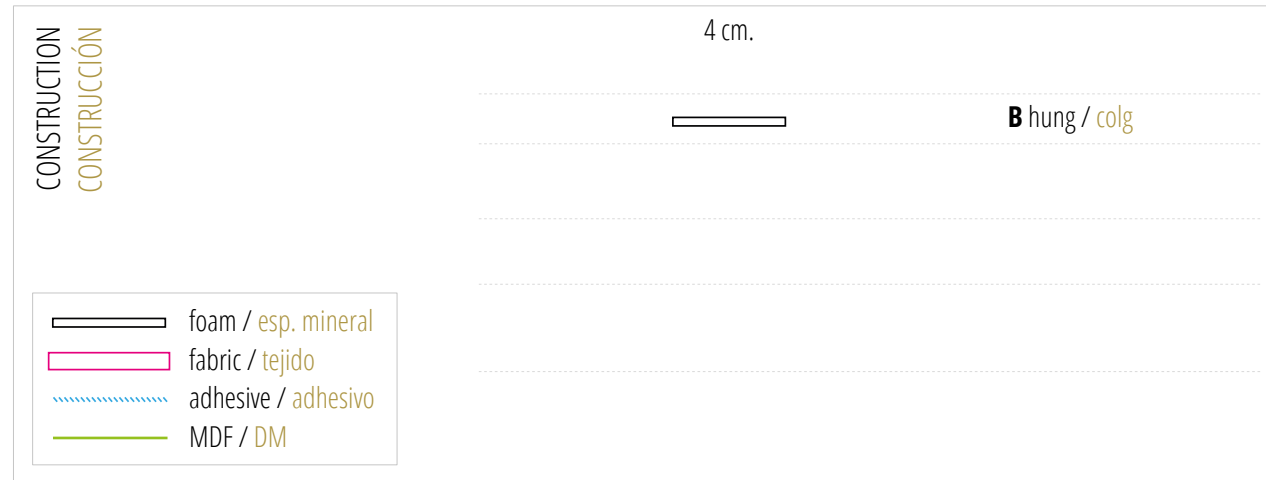
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



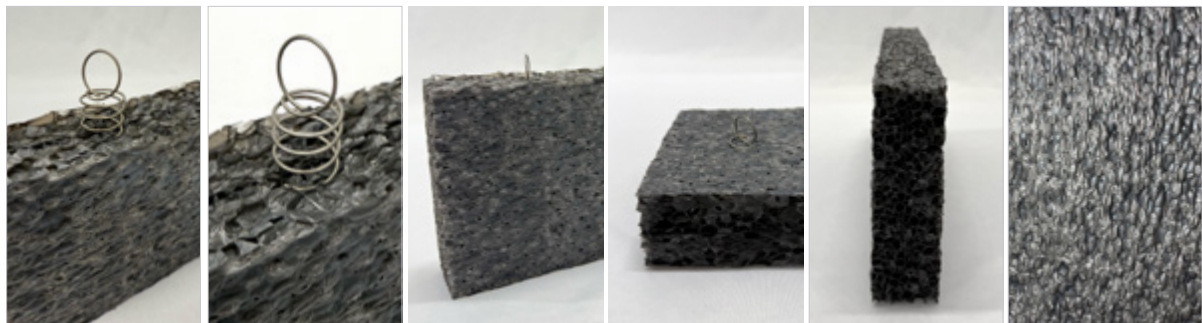
AVAILABLE FINISHES / ACABADOS DISPONIBLES



WH



DETAILS ' PICTURES / FOTOS DE DETALLE

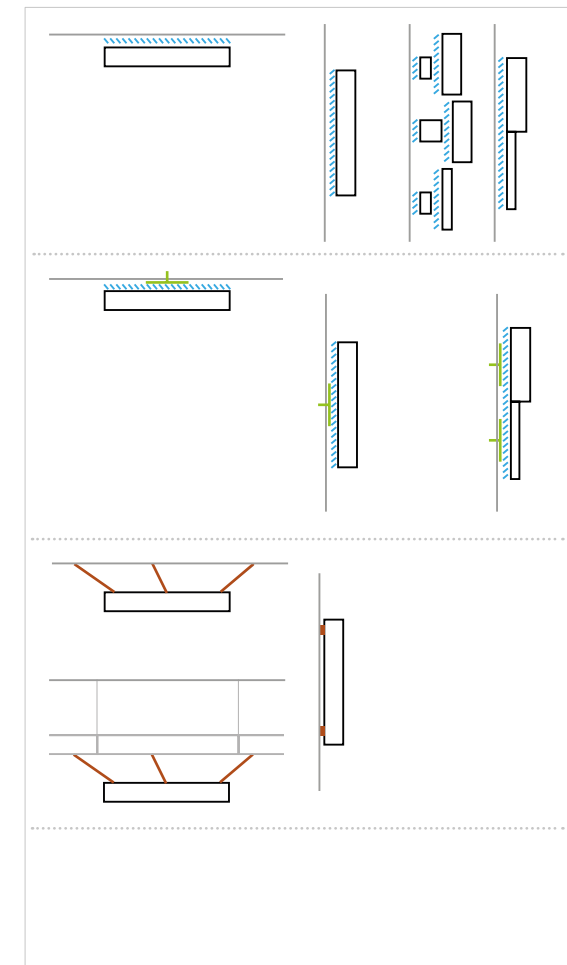
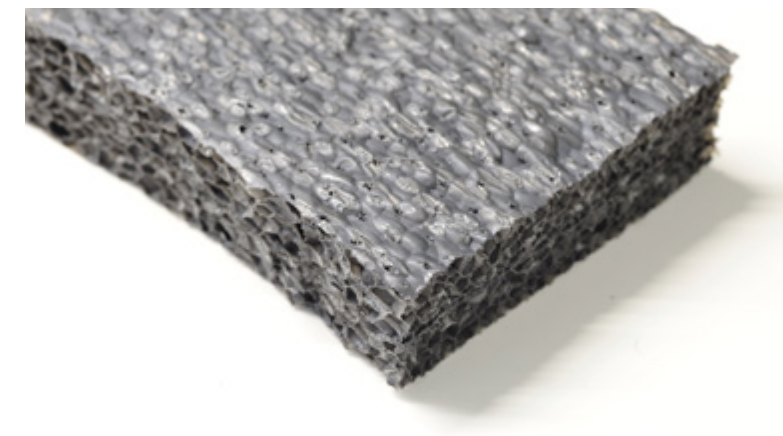
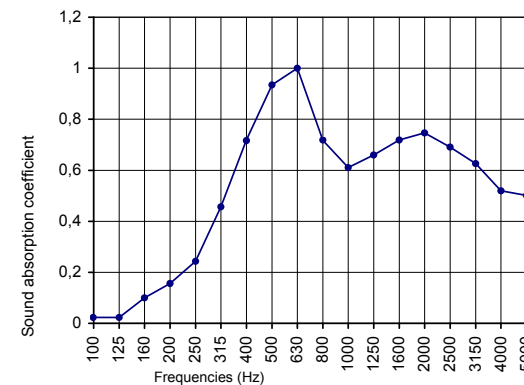


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

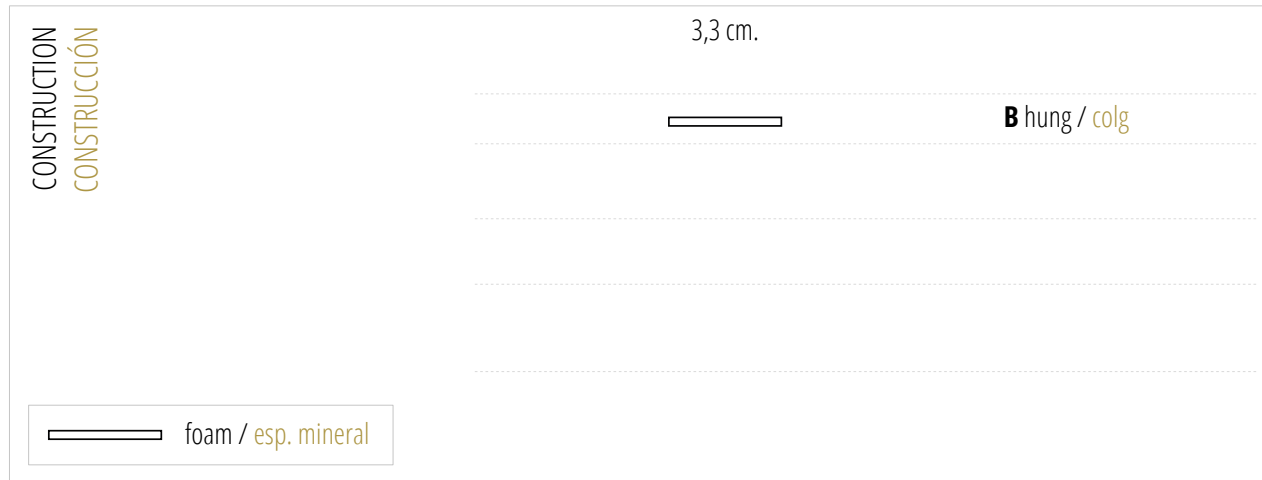
- C LEVEL ABSORPTION**
- 10 YEARS WARRANTY**
- B-s2-d0** (Fire resistance)
- CO₂ NEUTRAL**
- RECYCLABLE**
- ACOUSTIC ABSORPTION**
- RELOCATABLE**
- LOW TEMPERATURE**
- WASHABLE**
- WITH SOAP**
- HYPOALLERGENIC**
- LIGHT WEIGHT**

AVAILABLE FINISHES / ACABADOS DISPONIBLES

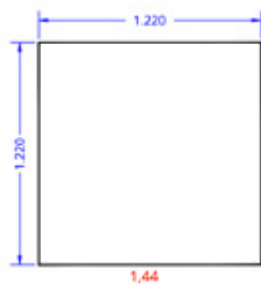
- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



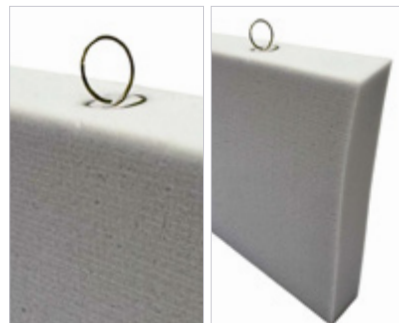
INDUSTRIAL G



ESTÁNDAR DIMENSIONS / DIMENSIONES ESTÁNDAR



DETAILS' PICTURES / FOTOS DE DETALLE

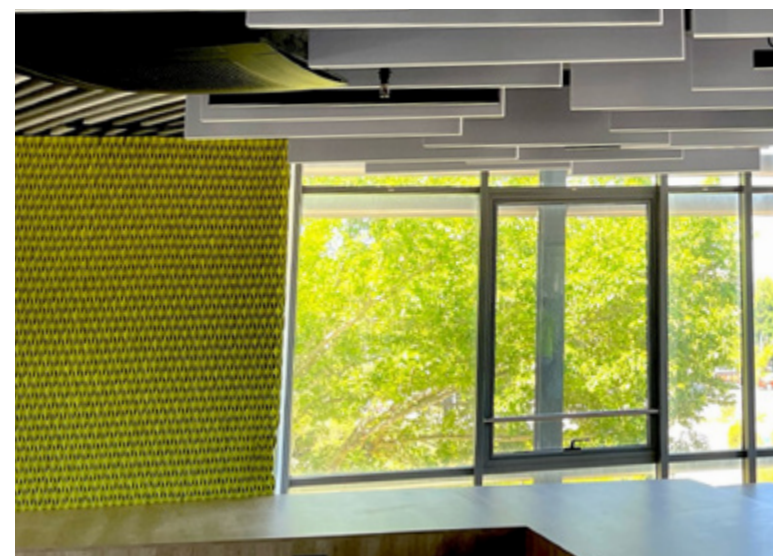
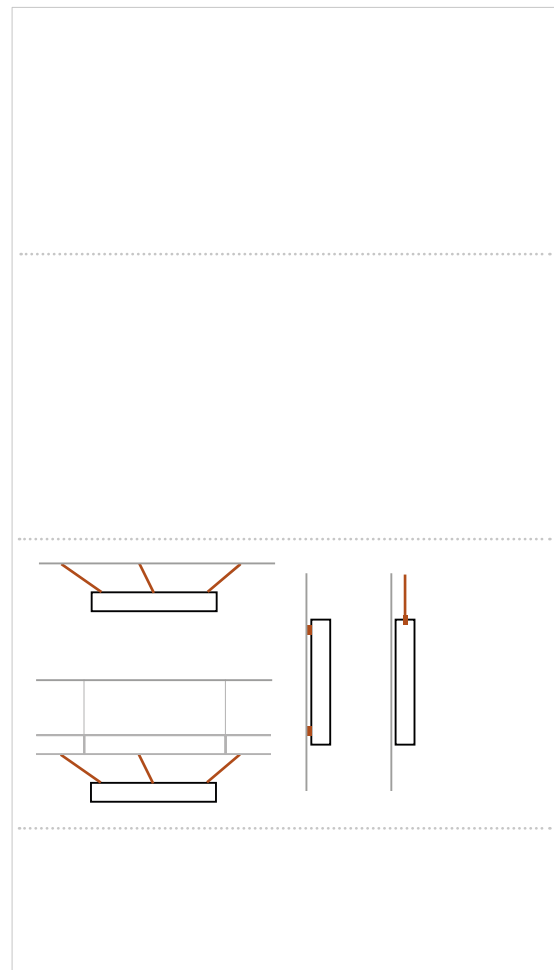
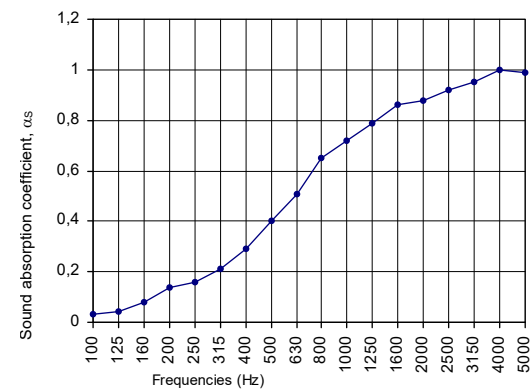


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

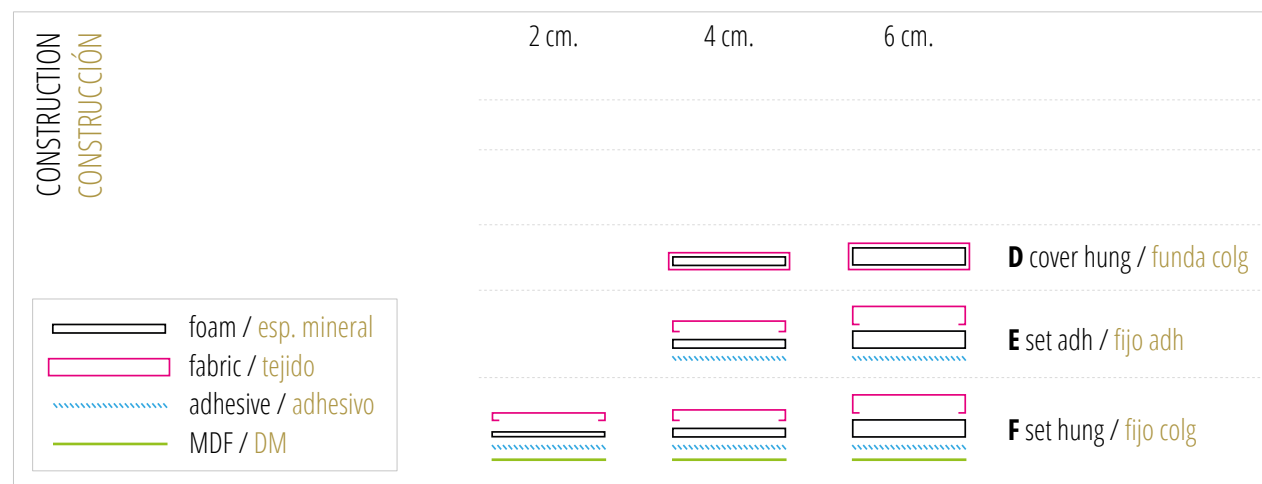
- C LEVEL ABSORPTION
- 10 YEARS WARRANTY
- B-s1-d0
- CO₂ NEUTRAL
- RECYCLABLE
- ACOUSTIC ABSORPTION
- RELOCATABLE
- LOW TEMPERATURE
- WASHABLE
- WITH SOAP
- HYPOALLERGENIC
- LIGHT WEIGHT

AVAILABLE FINISHES / ACABADOS DISPONIBLES

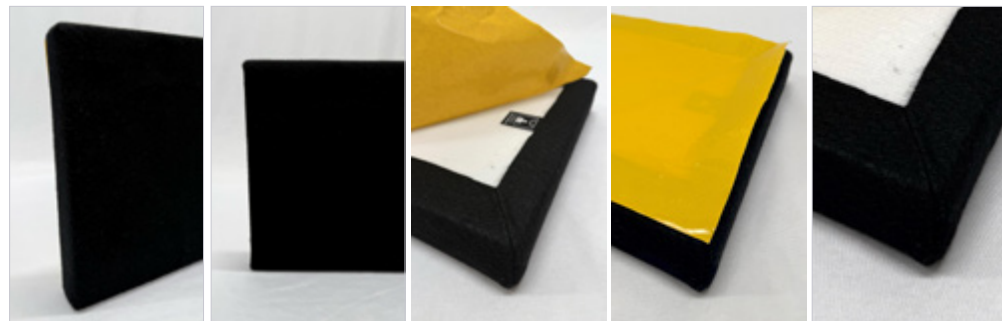
- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



MFPX



DETAILS ' PICTURES / FOTOS DE DETALLE

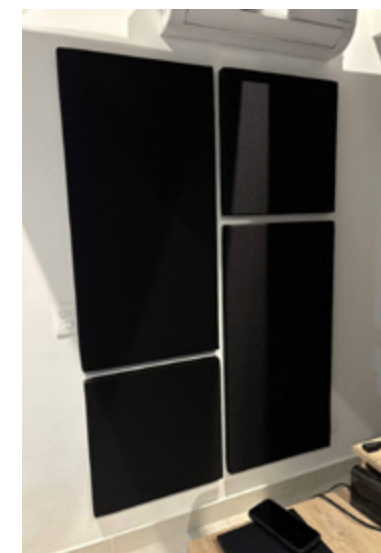
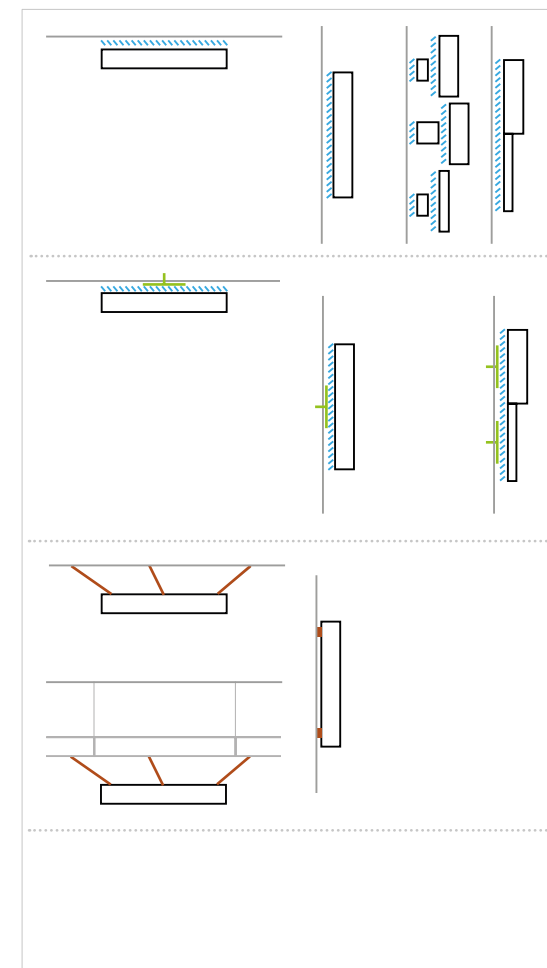
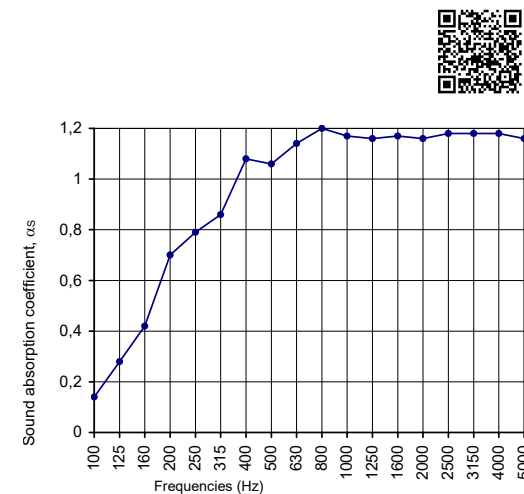


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

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AVAILABLE FINISHES / ACABADOS DISPONIBLES

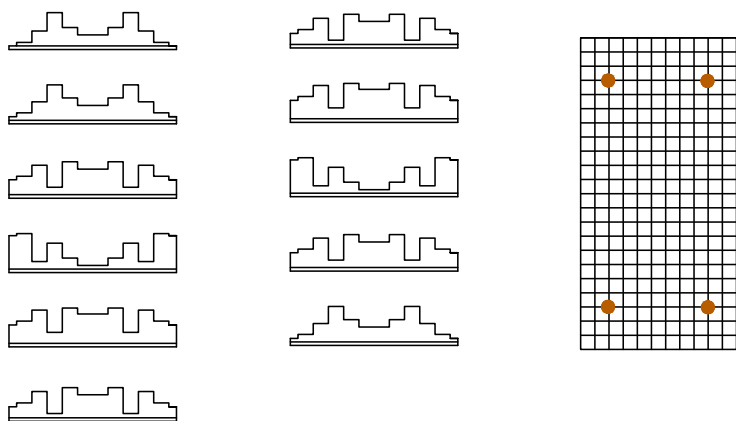
- GREY WHITE ILUCS ILUCS IMECO IZZER PX500 **PX210** WOOD MDF



DIFFUSER 4x4 / DIFUSOR



CONSTRUCTION
CONSTRUCCIÓN




DETAILS ' PICTURES / FOTOS DE DETALLE

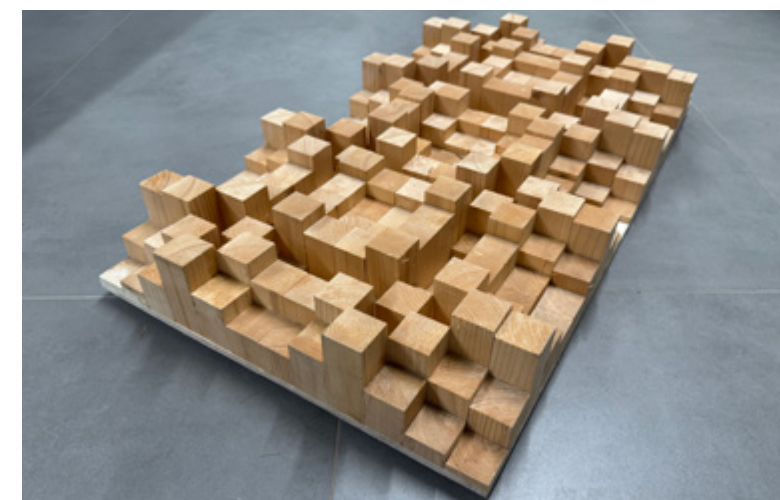
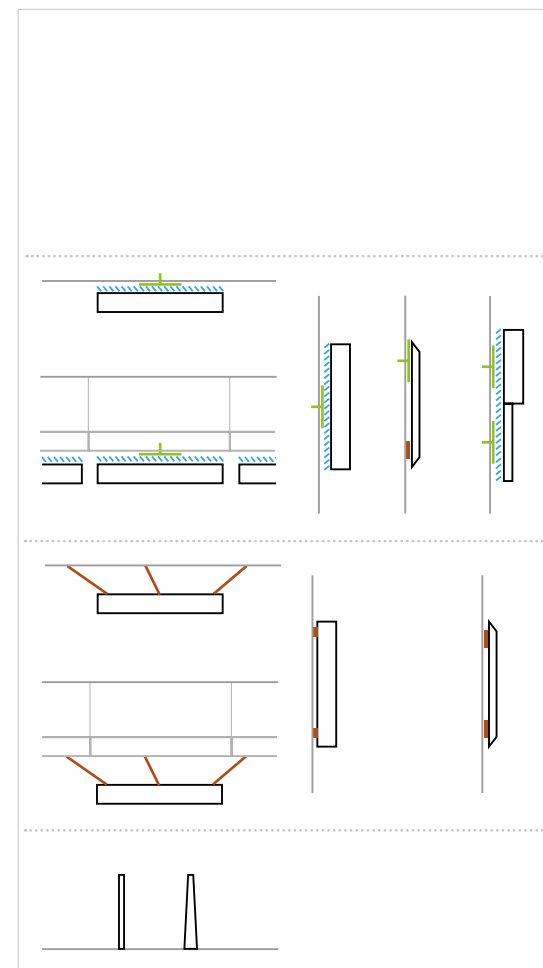
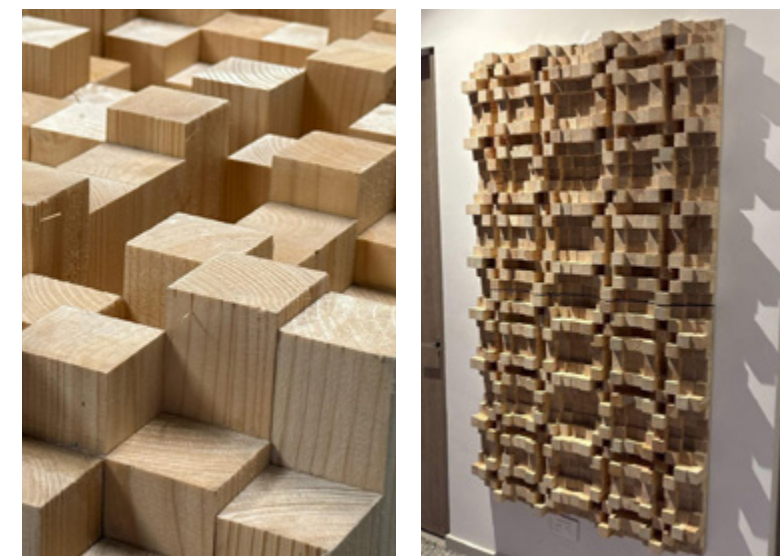


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- 10 YEARS WARRANTY
- C-s1-d0
- CO₂ NEUTRAL
- COMPOSTABLE
- DIFUSER
- RELOCATABLE
- HYPOALLERGENIC

AVAILABLE FINISHES / ACABADOS DISPONIBLES

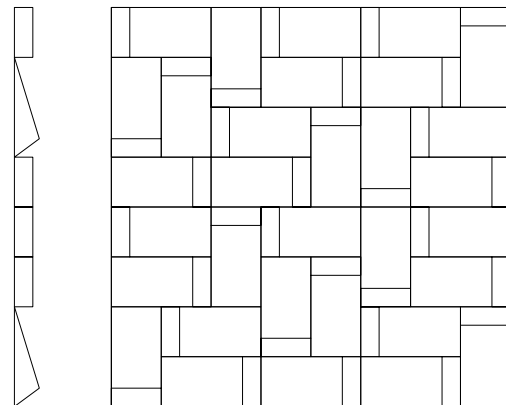
- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD 
- MDF



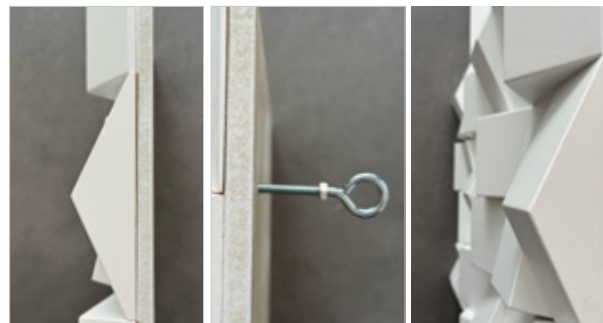
DIFFUSER 14x7 / DIFUSOR



CONSTRUCTION
CONSTRUCCIÓN



DETAILS ' PICTURES / FOTOS DE DETALLE

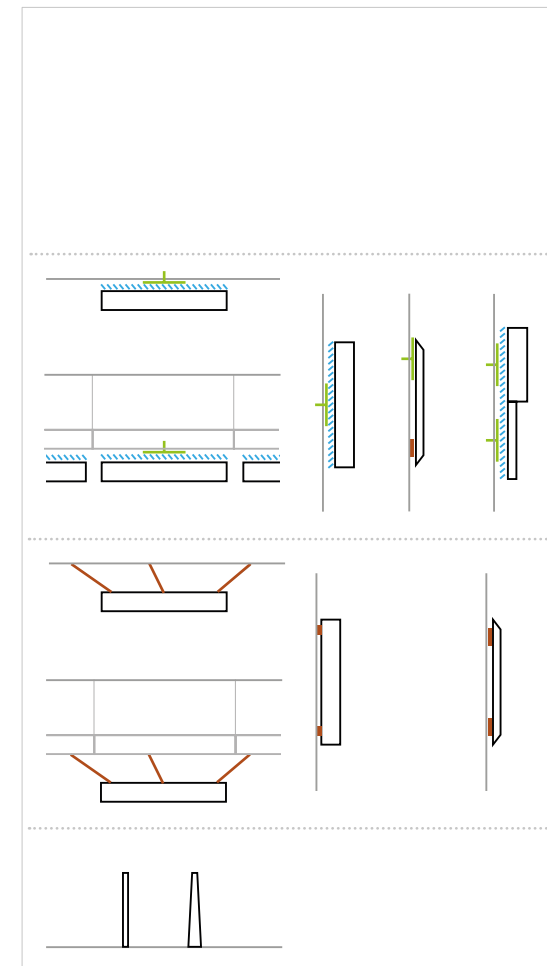
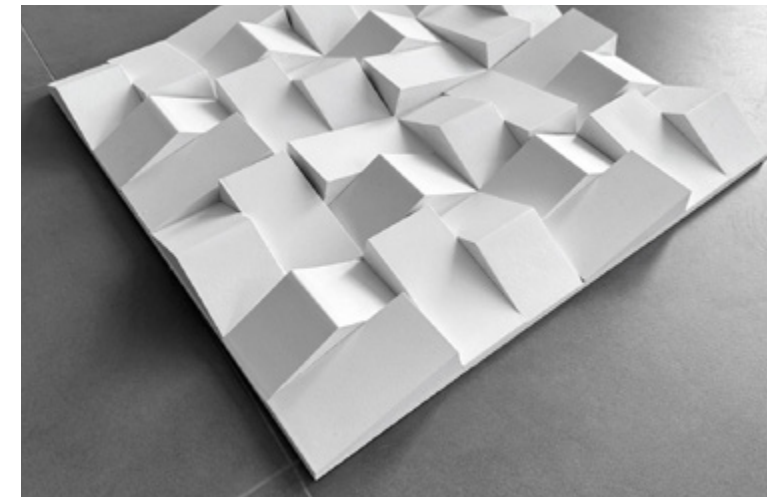


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

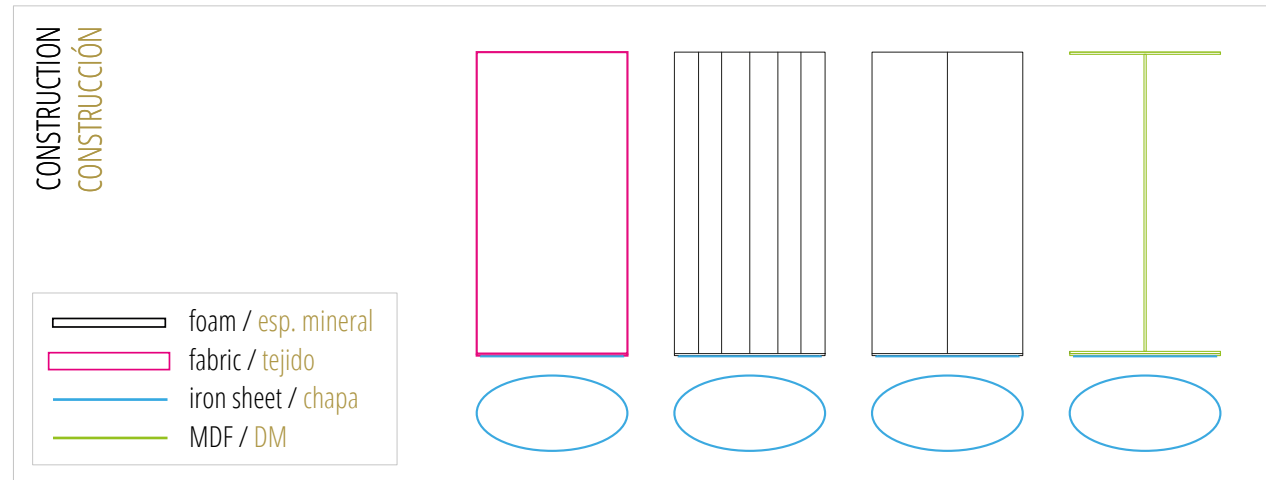
- 10 YEARS WARRANTY
- C-s1-d0
- CO₂ NEUTRAL
- COMPOSTABLE
- DIFUSER
- RELOCATABLE
- HYPOALLERGENIC

AVAILABLE FINISHES / ACABADOS DISPONIBLES

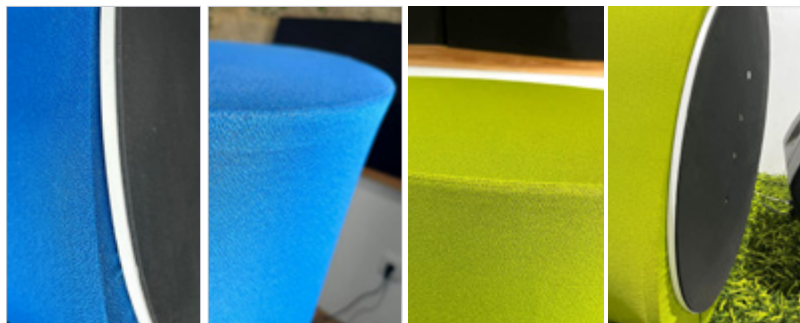
- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



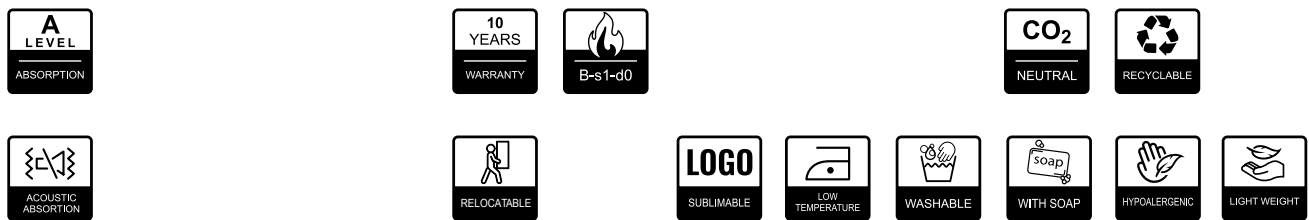
ELYSIUM



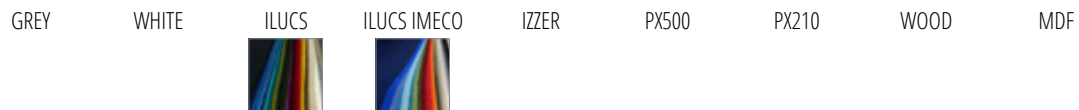
DETAILS ' PICTURES / FOTOS DE DETALLE



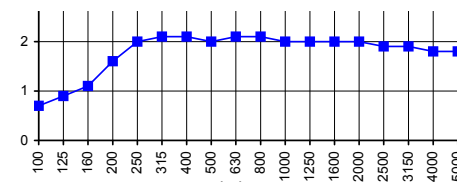
TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS



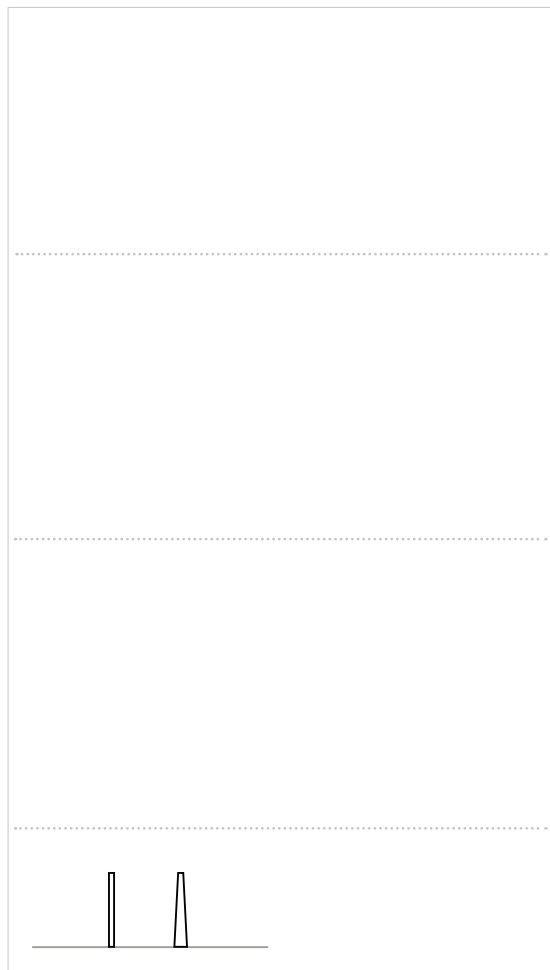
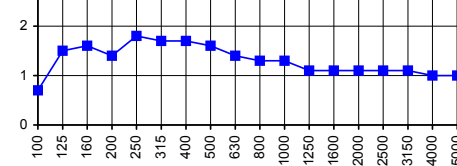
AVAILABLE FINISHES / ACABADOS DISPONIBLES



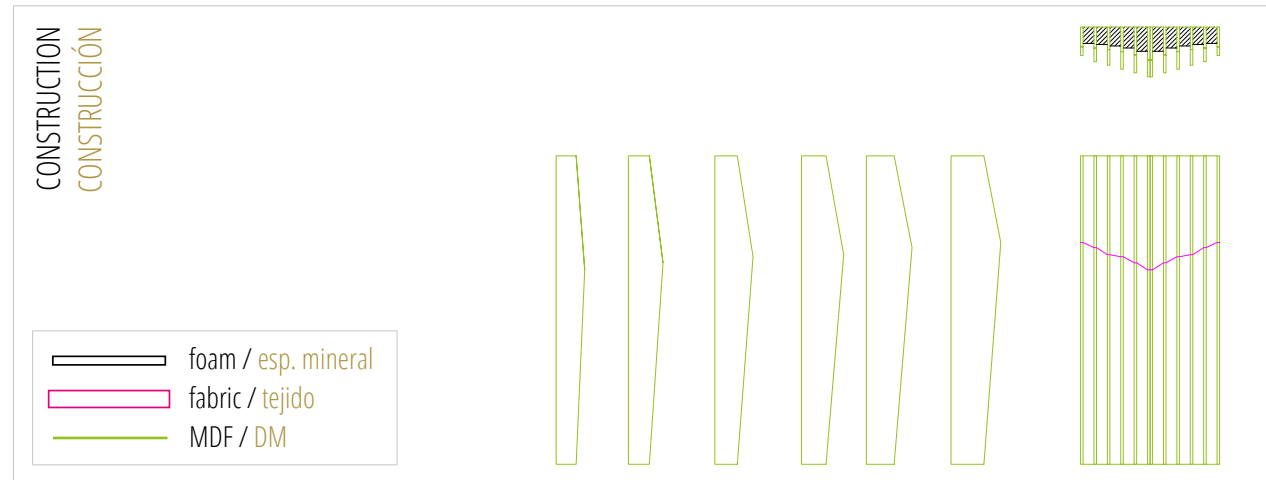
COLOCACIÓN EN MEDIO DE LA SALA / PLACEMENT IN THE CENTER OF THE ROOM



COLOCACIÓN EN ESQUINA / PLACEMENT IN A CORNER



HYBRID



DETAILS ' PICTURES / FOTOS DE DETALLE

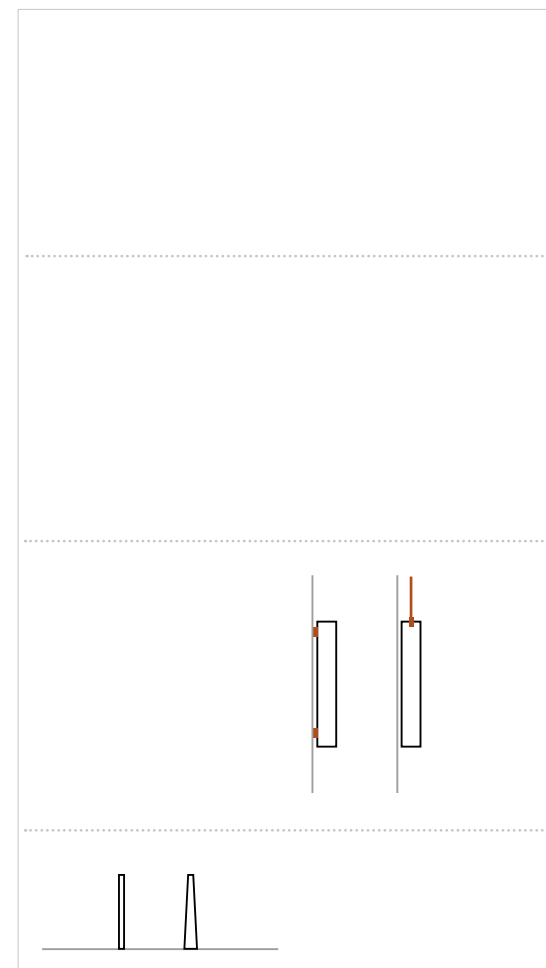
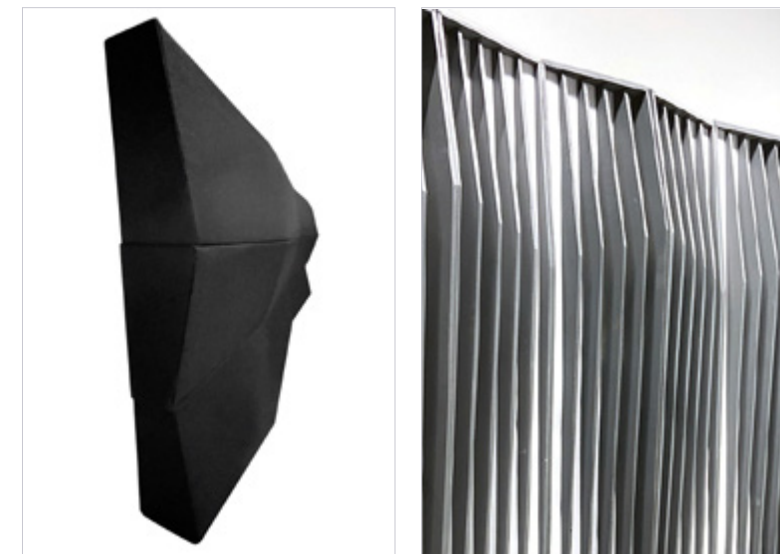
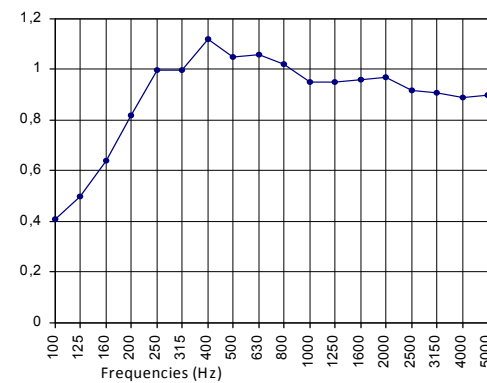


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

- A LEVEL** ABSORPTION
- 10 YEARS** WARRANTY
- B-s1-d0** FIRE RESISTANCE
- CO2 NEUTRAL**
- RECYCLABLE**
- ACOUSTIC ABSORPTION**
- RELOCATABLE**
- LOGO** SUBLIMABLE
- LOW TEMPERATURE**
- WASHABLE**
- WITH SOAP**
- HYPOALLERGENIC**
- LIGHT WEIGHT**

AVAILABLE FINISHES / ACABADOS DISPONIBLES

- GREY
- WHITE
- ILUCS
- ILUCS IMECO
- IZZER
- PX500
- PX210
- WOOD
- MDF



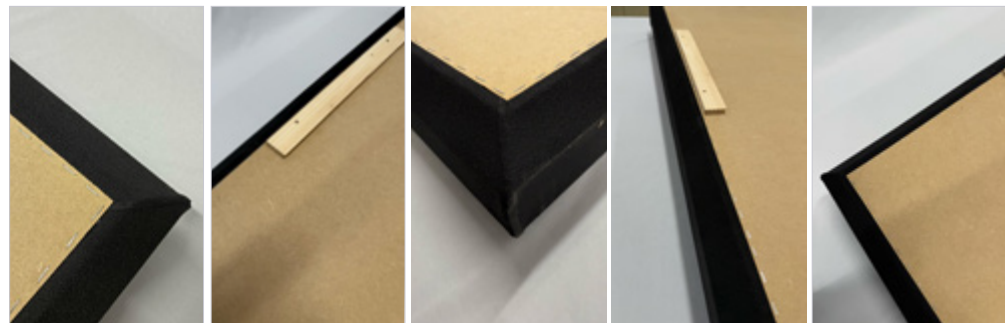
WB HP



CONSTRUCTION
CONSTRUCCIÓN

PATENTE

DETAILS ' PICTURES / FOTOS DE DETALLE

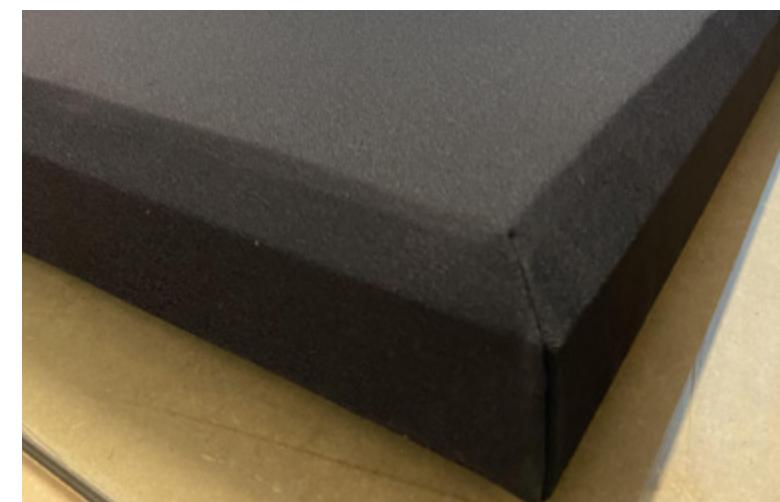
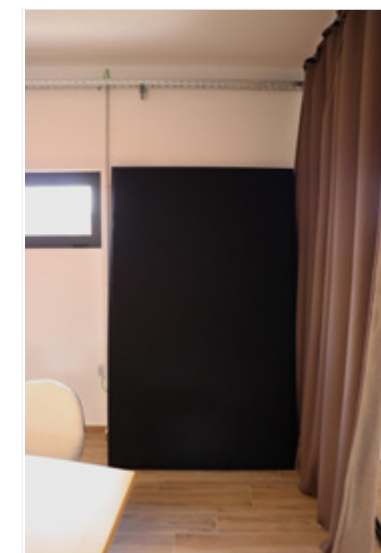
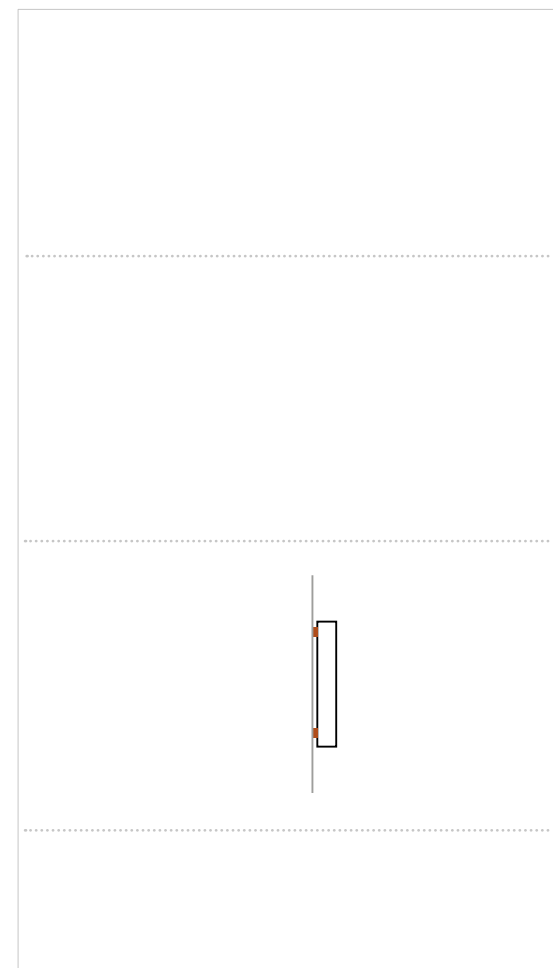
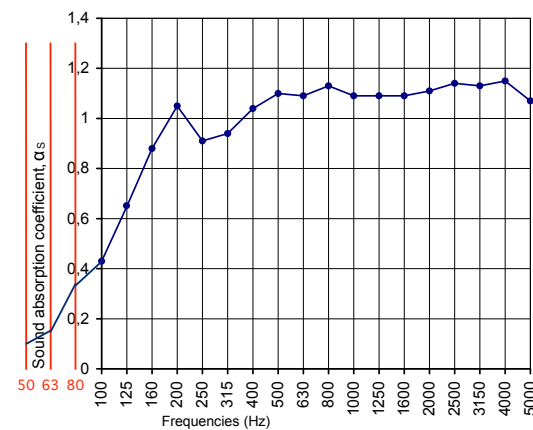


TECHNICAL DATA / CARACTERÍSTICAS TÉCNICAS

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AVAILABLE FINISHES / ACABADOS DISPONIBLES

GREY WHITE ILUCS ILUCS IMECO IZZER PX500 PX210 WOOD MDF

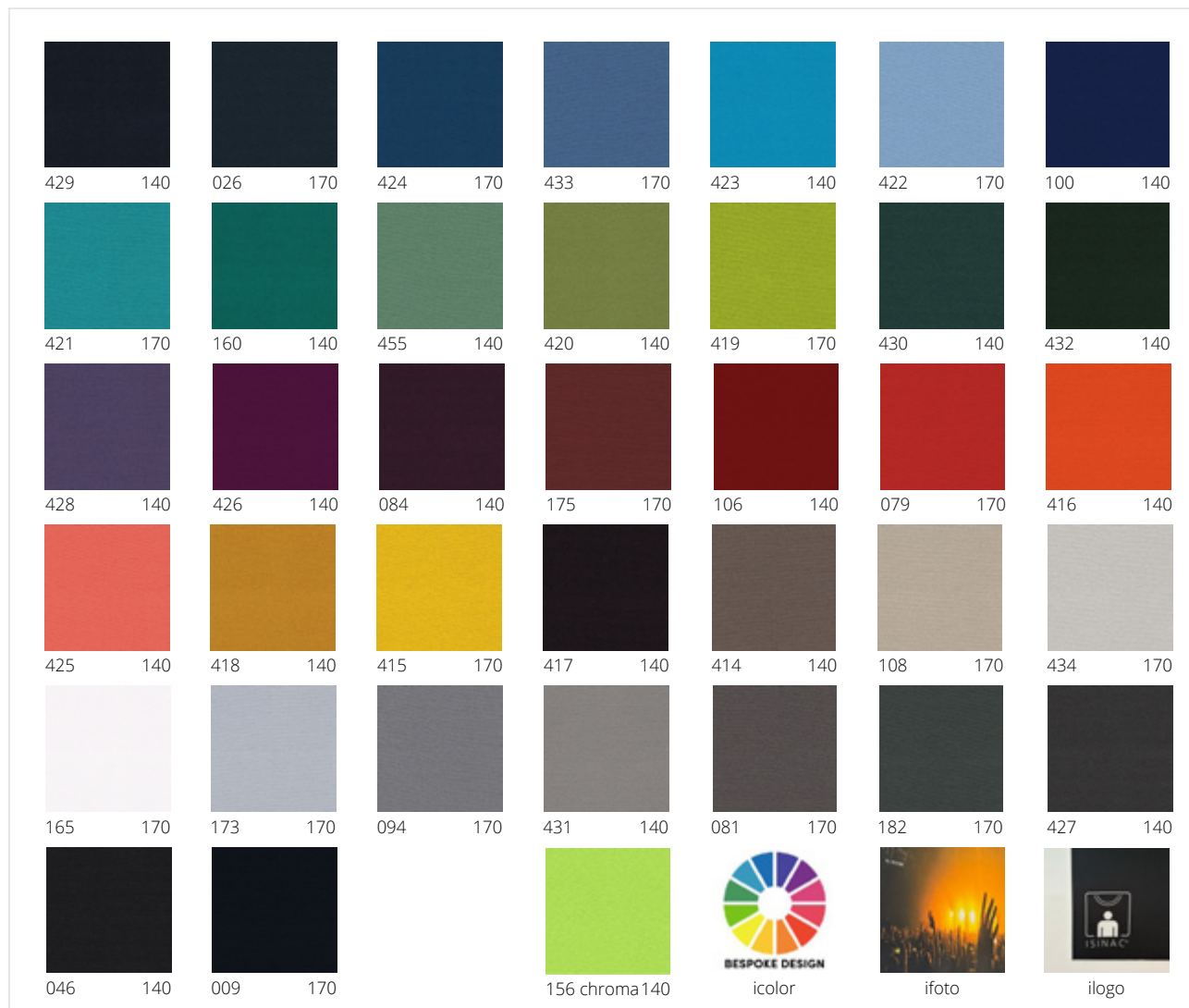


06. FABRIC COVERS



ILUCS

ILUCS PANTONE LRVs (LIGHT REFLECTANCE VALUES)



| CODE | PANTONE* | LRV |
|-------|-------------|-------|
| LC429 | 4133 C | 7,07 |
| LC026 | 534 C | 6,96 |
| LC424 | 541 C | 5,83 |
| LC433 | 2137 C | 13,96 |
| LC423 | 2193 C | 25 |
| LC422 | 644 C | 31,23 |
| LC100 | DARK BLUE C | 3,47 |
| LC421 | 2226 C | 21,34 |
| LC160 | 7474 C | 10,61 |
| LC455 | 2266 C | 7,3 |
| LC420 | 5767 C | 25 |
| LC419 | 3507 C | 28,34 |
| LC430 | 7476 C | 6 |
| LC432 | 5743 C | 5,8 |
| LC428 | 4083 C | 14 |
| LC426 | 241 C | 11,4 |
| LC084 | 519 C | 3,08 |
| LC175 | 208 C | 4,48 |
| LC106 | 1935 C | 6,38 |
| LC079 | 206 C | 7,95 |
| LC416 | 1645 C | 32 |
| LC425 | 2029 C | 36,38 |
| LC418 | 117 C | 34,6 |
| LC415 | 012 C | 38,89 |
| LC417 | 7596 C | 5,8 |
| LC414 | 4046 C | 33 |
| LC108 | 4247 C | 39,84 |
| LC434 | GRAY 1 C | 47,88 |
| LC165 | 354 C | 31,8 |
| LC173 | 5315 C | 40,75 |
| LC094 | 429 C | 22,92 |
| LC431 | 4239 C | 54,96 |
| LC081 | 424 C | 11,32 |
| LC182 | 445 C | 8,31 |
| LC427 | 4291 C | 16 |
| LC046 | 2336 C | 4,42 |
| LC009 | 6 C | 2,4 |
| LC156 | 802 C | 54,93 |

ESPECIFICACIONES TÉCNICAS / TECHNICAL DATA:

- Composición: **100% ® TreviraCS**
Composition
- Ancho: **170/140 cm.**
Width
- Gramaje: **265 g/m².**
Weight
- Garantía: **10 años**
Warranty
- Espesor: **0,5 mm.**
Thickness

- Resistencia al fuego: **B-S1-D0**
Fire resistance
- Solidez luz: **6 (EN ISO 105-B02)**
Light fastness
- Solidez al rozamiento: **4 (ISO 105 - X12)**
Friction fastness
- Otras normativas: **Oeko-Tex (11-43686)**
Other standards
- Lavado: **limpieza con aspiradora o bien lavar con paño húmedo**
Washing: vacuum cleaning or damp wipe adamp cloth

* Colores Pantone aproximados
* Approximate Pantone color

IZZER

IZZER LRVs (LIGHT REFLECTANCE VALUES)



| CODE | LRV |
|------|-------|
| IZ2Q | 43,53 |
| IZ47 | 33,08 |
| IZ86 | 25,76 |
| IZ31 | 11,63 |
| IZ67 | 4,16 |
| IZ2T | 5,71 |
| IZ21 | 3,69 |
| IZ18 | 9,39 |
| IZ63 | 6,24 |
| IZ13 | 6,20 |
| IZ2W | 26,37 |
| IZ82 | 18,40 |
| IZ39 | 10,56 |
| IZ90 | 6,84 |
| IZ58 | 26,37 |
| IZ1F | 16,83 |
| IZ1K | 12,23 |
| IZ53 | 20,80 |
| IZ1L | 23,74 |
| IZ1N | 5,73 |
| IZ12 | 5,27 |
| IZ33 | 17,91 |
| IZ3A | 14,30 |
| IZ2Z | 34,43 |
| IZ02 | 19,13 |
| IZ3B | 8,07 |
| IZ1P | 6,16 |
| IZ1R | 29,19 |
| IZ2U | 12,92 |
| IZ26 | 5,84 |
| IZ09 | 3,00 |
| IZ1V | 14,90 |
| IZ1Y | 4,58 |
| IZ1W | 10,68 |
| IZ62 | 3,65 |
| IZ1E | 23,29 |
| IZ1J | 13,70 |
| IZ35 | 4,44 |
| IZ28 | 39,59 |
| IZ30 | 6,37 |
| IZ08 | 1,61 |

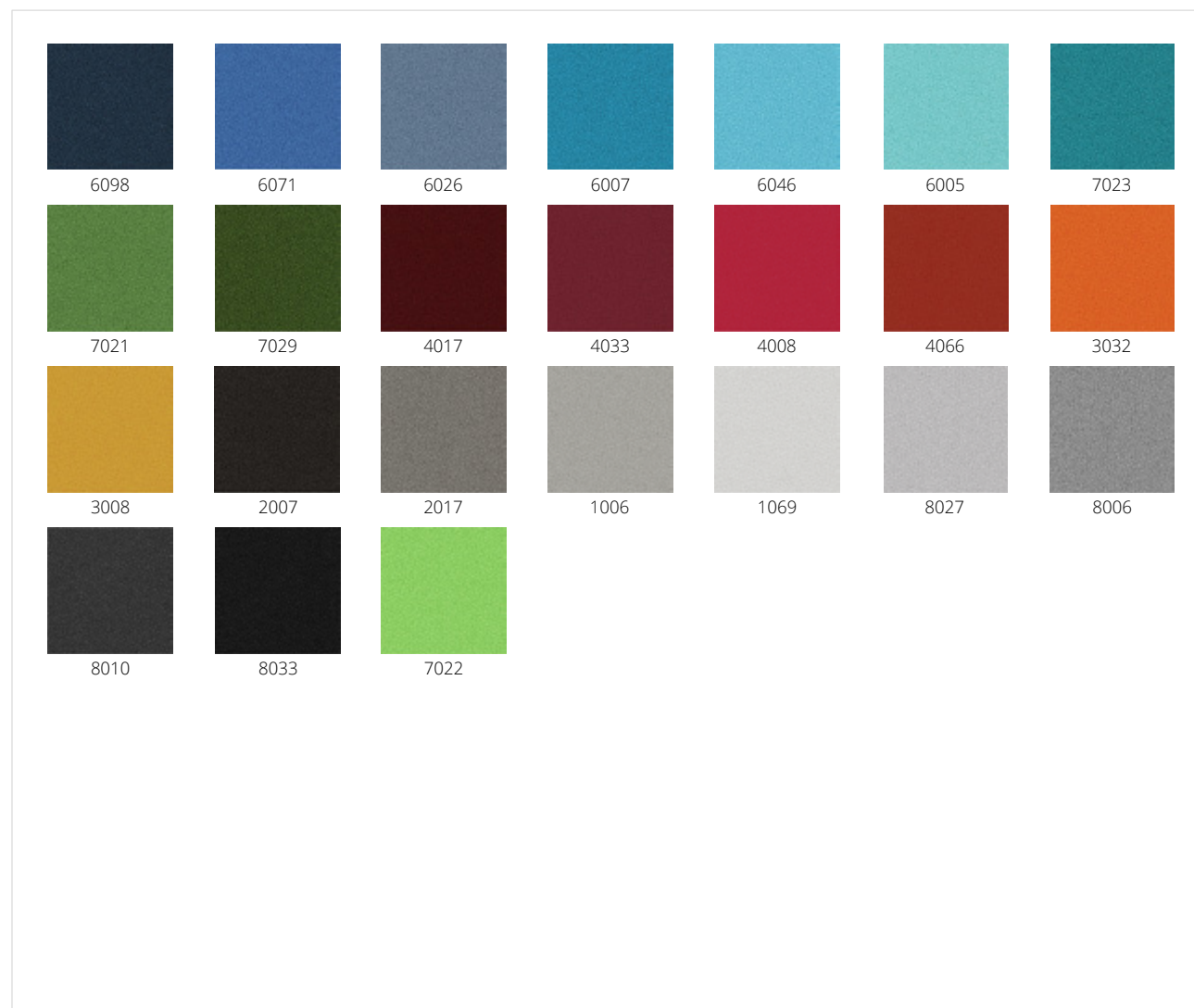
ESPECIFICACIONES TÉCNICAS / TECHNICAL DATA:

- Composición: **100% LANA VIRGEN**
Composition: 100% VIRGIN WOOL
- Ancho: **140 cm.**
Width
- Gramaje: **460 g/m².**
Weight
- Garantía: **10 años**
Warranty
- Espesor: **1,75 mm**
Thickness

- Resistencia al fuego: **C-S1-D0**
Fire resistance
- Solidez a la luz: **5 (EN ISO 105-B02)**
Light fastness
- Reciclabilidad: **100% compostable**
Recyclability
- Lavado: **Aspirado frecuente con un paño húmedo usando agua y jabón.**
Para una limpieza más profunda usar vapor.
Washability: Frequent vacuuming with a damp cloth using soap and water.
For deeper cleaning use steam

* Colores Pantone aproximados
* Approximate Pantone color

ILUCS IMECO



ILUCS IMECO PANTONE

| CODE | PANTONE* |
|--------|---------------|
| LC6098 | 2965 C |
| LC6071 | 2945 C |
| LC6026 | 2139 C |
| LC6007 | 7469 C |
| LC6046 | 7458 C |
| LC6005 | 7472 C |
| LC7023 | 7474 C |
| LC7021 | 575 C |
| LC7029 | 7734 C |
| LC4017 | 195 C |
| LC4033 | 7427 C |
| LC4008 | 200 C |
| LC4066 | 7626 C |
| LC3032 | 166 C |
| LC3008 | 130 C |
| LC2007 | BLACK 7 C |
| LC2017 | WARM GREY 8 C |
| LC1006 | WARM GREY 2 C |
| LC1069 | COOL GREY 1 C |
| LC8027 | 4276 C |
| LC8006 | 425 C |
| LC8010 | BLACK 6 C |
| LC8033 | BLACK 3 C |
| LC7022 | 367 C |

ESPECIFICACIONES TÉCNICAS / TECHNICAL DATA:

- Composición: **100% ® TreviraCS ECO**
Composition
- Ancho: **140 cm.**
Width
- Gramaje: **265 g/m².**
Weight
- Garantía: **10 años**
Warranty
- Espesor: **0,5 mm.**
Thickness
- Resistencia al fuego: **B-S1-D0**
Fire resistance
- Solidez luz: **6 (EN ISO 105-B02)**
Light fastness
- Solidez al rozamiento: **4 (ISO 105 - X12)**
Friction fastness
- Otras normativas: **Oeko-Tex (11-43686)**
Other standards
- Lavado: **limpieza con aspiradora o bien lavar con paño húmedo**
Washing: vacuum cleaning or damp wipe adamp cloth

* Colores Pantone aproximados
* Approximate Pantone color

CUSTOM DESIGN

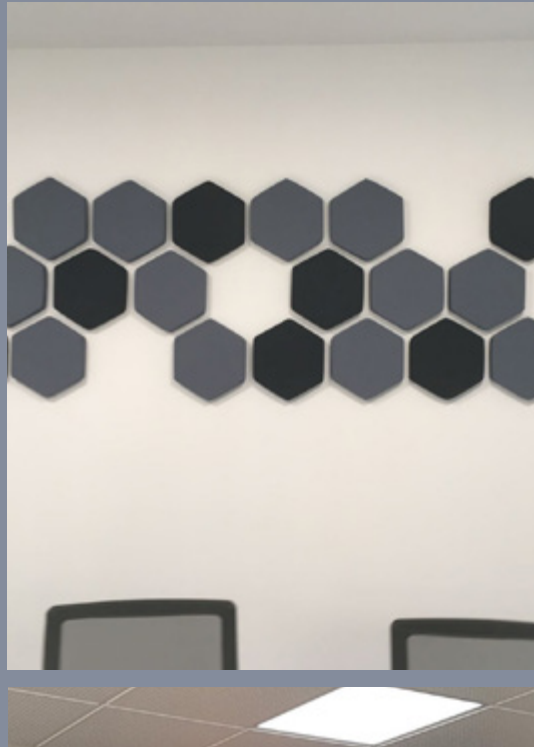


158

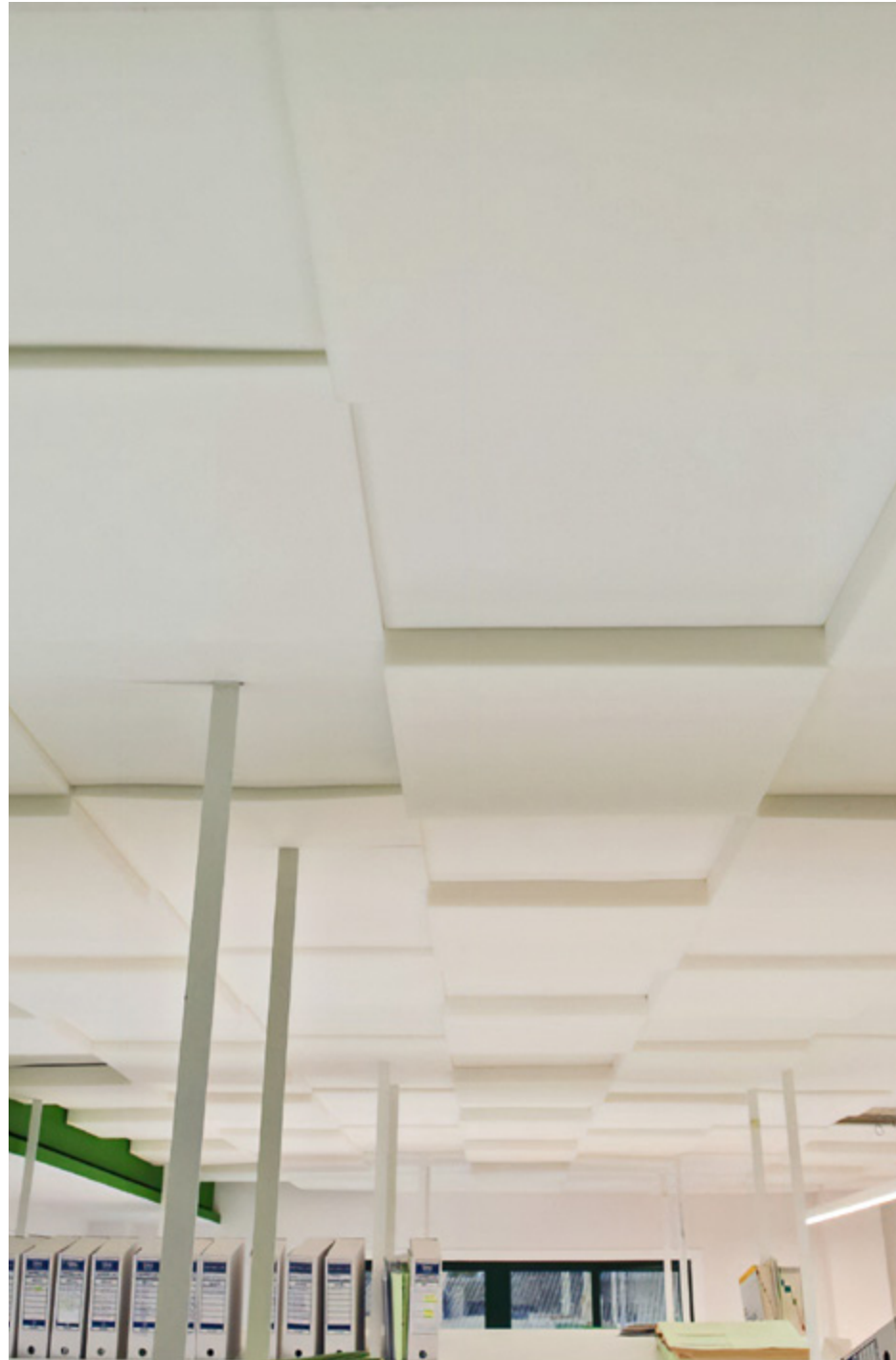
159



07. INSTALLATION SYSTEMS



ADHESIVE / ADHESIVO



PEEL AND STICK
DESPEGAR Y PEGAR



GUARANTEE
GARANTÍA



Double adhesive 50 mm.
Doble adhesivo 50 mm.



Double adhesive 100 mm.
Doble adhesivo 100 mm.



Rigid foam piece x linear
Pieza rígida para linear

HANGING ACCESSORIES / ACCESORIOS CUELGUE



STAINLESS STEEL
ACERO INOX



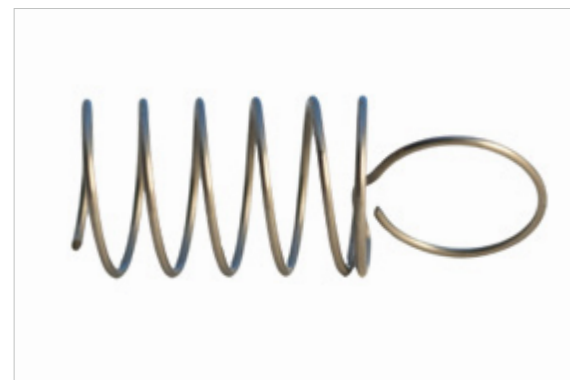
3 METERS



HOLDS +15 KG



READY KITS



Stainless steel spring
Herraje acero inox



Hanging hardware
Herraje cuelgue



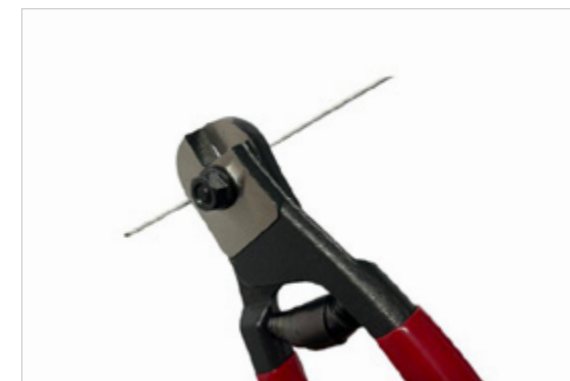
Closed ringbolt
Cáncamo cerrado



White clip
Clip blanco

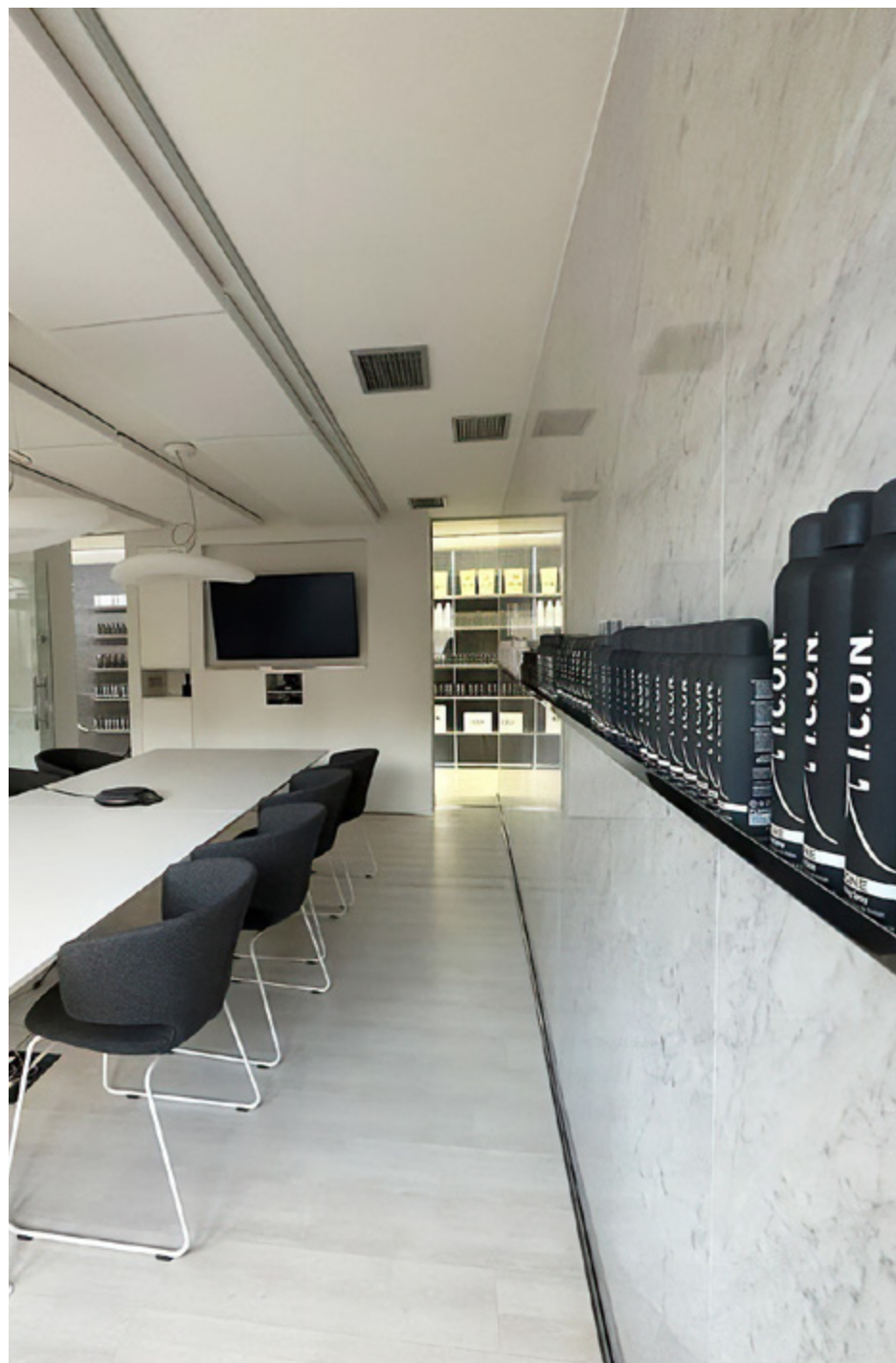


Coil cable
Bobina cable



Cable cutting pliers
Pinza corta cable

MAGNET / MAGNÉTICO



STAINLESS STEAL
ACERO INOX



REMOVABLE
DESMONTABLE



FORCE 4 KG.
FUERZA 4 KG.



READY KITS
KITS LISTOS



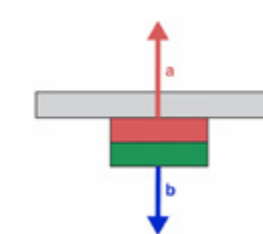
Magnet
Imán



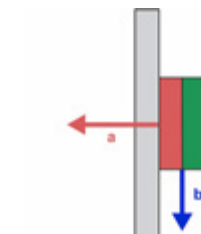
Kits of 1, 2 or 3 magnets
Kits de 1, 2 o 3 imanes



Magnet for linear piece
Imán para pieza linear



Fuerza de carga
Clamping force



Fuerza de desplazamiento
Displacement force

| MATERIAL MATERIAL | COMBINACIÓN COMBINATION | FZA. DESPLAZ. DISPLACEMENT FORCE | FZA. CARGA CLAMPING FORCE |
|-----------------------|----------------------------|--|---------------------------------|
| NEODIMIO NEODYMIUM | HIERRO-HIERRO IRON-IRON | 15% | 100% |

® TENS-TEX PROFILE / ® PERFILES TENS-TEX



DESCRIPTION:

Profile system for tensile fabric walls and/or ceilings edge profile. Fabric is to be attached to the profile with a spatula

EASY INSTALLATION:

- Profiles are installed by screwing them into the wall
- Fabric is easy to insert
- Tool to insert the fabric design by ISINAC
- Easily removable fabric so it can be washed and/or changed
- The fabric can be cut and the profile hides the cut part
- The profiles have teeth that pinch and hold the fabric so it does not come loose
- When pulling the fabric for its removal, it becomes loose

PROFILE MATERIAL:

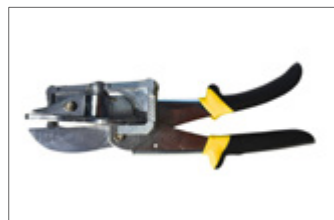
- Uncharged PVC
- Pre-cut for screw insertion

TOOL MATERIAL:

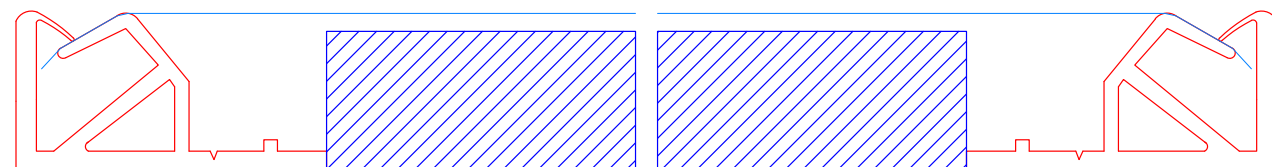
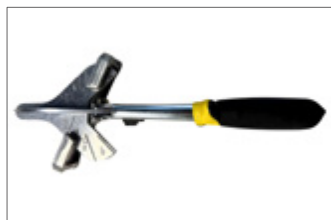
- Stainless steel blade and wood



Tenstex hot knife
Cuchillo caliente



Profile scissors
Tijera perfiles



<https://www.youtube.com/watch?v=8mYckEEqJL4>

DESCRIPCIÓN:

Sistema de perfiles para tejido tensado para paredes y/o techos. Perfil de borde. Se suministran en paquetes y disponemos de una herramienta para introducir el tejido.

FACILIDAD DE INSTALACIÓN:

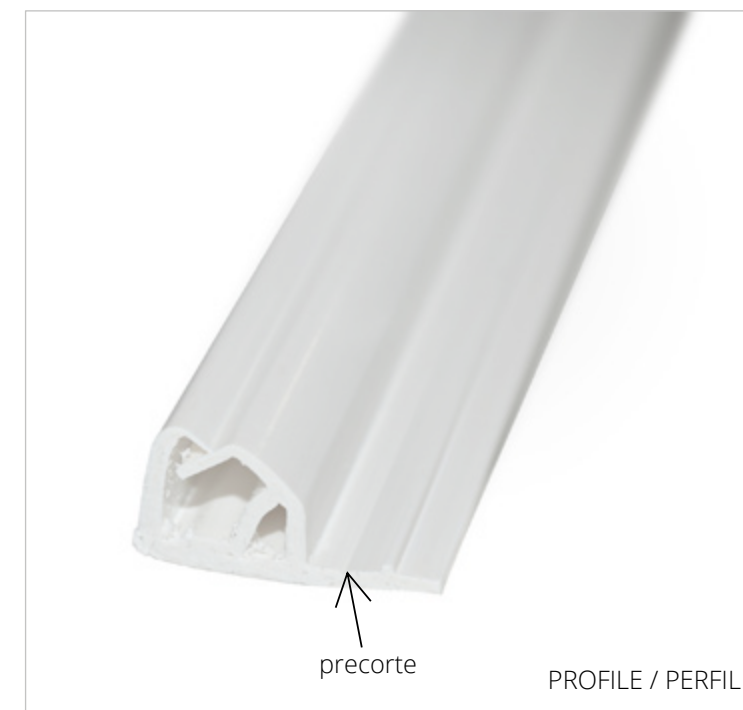
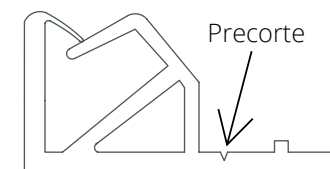
- Instalación atornillada de los perfiles a pared cada 20-25 cm.
- Rapidez en la inserción del tejido
- Herramienta de introducción del tejido
- Fácil desmontaje del tejido para mantenimiento y/o cambiar
- Permite poder cortar el tejido (usar cuchillo térmico) y queda oculto el corte en el perfil
- Los perfiles llevan un dientes que pinzan y aprietan el tejido para que no se suelte
- Al tirar del tejido para su desmontaje, se suelta

MATERIAL PERFIL:

- PVC sin cargas
- Precorte para inserción de tornillos

MATERIAL HERRAMIENTA:

- Acero la hoja y madera maciza







CLEANING AND MAINTENANCE

Cleaning and Maintenance of Fabrics

Regular cleaning is highly recommended to keep fabrics in good condition for longer. Here are some simple guidelines for cleaning:

- Vacuum the fabrics regularly to prevent the build-up of dust and dirt, as these can act as irritants and cause premature wear of the materials.
- Act quickly on stains. Clean up any excess liquid before it soaks in or stains the fabric. If necessary, use a special textile soap or warm water and liquid soap. Do not oversaturate the fabric, especially IZZER wool: always use a clean cloth without excess soapy water.
- For a deeper clean, wool (IZZER) and Trevira CS (ILUCS and ILUCS IMECO) can be dry cleaned or steam cleaned. Trevira CS can also be machine washed if the upholstery is removable.

Cleaning and Maintenance of Foams

Mineral foam is stable under heat sources between -150° and 150°C.

- As it is a very porous material (density 7kg/m³), it should be vacuumed regularly to prevent dust accumulation in its pores.
- To clean small stains, use a white damp cloth with water and soap. Remove excess water from the cloth before applying it to the foam, as excessive moisture can compromise the foam's absorbent properties.
- It is advisable not to place foam near machines or air-flow systems in areas where air currents are present (typically false ceilings, doors, windows, etc.). This very porous material can act as a filter and trap airborne particles.

Cleaning Products

1. Soap and warm water: The best solution for removing small stains. Regular, proper use prevents deeper dirt buildup on ISINAC products and fabrics. Allow upholstery to air dry.

2. Alcohol: Alcohol- and ethanol-based disinfectants are highly effective against bacteria, viruses, and fungi. The brand has tested sprays and 75% alcohol solutions like wipes. These can be used on Trevira CS fabrics.

3. Bleach: A strong oxidizing agent that effectively cleans stains. It is widely available in various concentrations, but should always be diluted before use. For general disinfection, use household bleach (4.5g per 100g of sodium hypochlorite) and follow the manufacturer's instructions: measure the dose, moisten a cloth with the solution, wring out excess liquid, gently wipe the fabric, and allow it to dry. For more intensive cleaning, such as medical disinfection protocols, a 1:4 bleach-to-water solution can be used. Follow the manufacturer's guidelines and apply using the same method. Use bleach only on Trevira CS fabric. DO NOT use it on natural fiber fabrics such as IZZER wool.

4. Steam: A chemical-free cleaning method when the right combination of temperature and pressure is used. Temperatures should be around 180°C with pressures up to 150 Psi. Suitable for use on wool and Trevira CS polyester.

Important:

The ISINAC fabric range is designed to withstand regular cleaning and maintenance. We recommend following these cleaning instructions and always conducting a spot test in an inconspicuous area of the material first. Methods outside this guide may void any warranty provided by ISINAC.

The information provided is based on technical research and testing conducted by the company or by third-party certified laboratories. Cleaning may affect textiles in three main ways:

- Colorfastness
- Color performance
- Flammability performance and material strength

All of these characteristics may be affected by the frequency of cleaning.



08. LIMPIEZA Y MANTENIMIENTO

Limpieza y mantenimiento de tejidos.

La limpieza regular es muy recomendable para mantener las telas en buen estado durante más tiempo. Estas son algunas pautas sencillas para su limpieza:

- aspiren las telas regularmente para evitar la acumulación de polvo y suciedad, ya que pueden actuar como agravante y provocar que las telas se desgasten antes de tiempo.
- Actuar sobre las manchas rápidamente. Limpiar cualquier exceso de líquido, antes de que se impregnen o manchen el tejido. Si es necesario, utilice jabón especial para textiles o agua tibia y jabón líquido. No sobrecargar los textiles, especialmente la lana IZZER: emplear siempre un paño limpio y sin excedente de agua jabonosa.
- Para una mejor limpieza, la lana (IZZER) y el Trevira CS (ILUCS e ILUCS IMECO) se pueden limpiar en seco o con vapor. El Trevira CS también se puede lavar a máquina si la tapicería es desenfundable.

Limpieza y mantenimiento de espumas

La espuma mineral es inalterable a fuentes de calor entre -150° y 150° centígrados.

- Al ser un material muy poroso (peso 7kg/m³), conviene aspirarlo regularmente para evitar que su poro se llene de polvo.
- Para limpiar pequeñas manchas, se puede emplear un paño blanco húmedo con agua y jabón. Se debe eliminar el excedente de agua del paño antes de aplica sobre la espuma, ya que si se moja pierde propiedades absorbentes.
- Es recomendable no colocar la espuma cerca de máquinas o flujos de aire en sitios donde se produzcan corrientes (normalmente falsos techos, puertas, ventanas, etc.). Es un material muy poroso que puede actuar de filtro, quedando partículas depositadas en el material.

Productos de limpieza

1. Jabón y agua tibia: Son la mejor solución para eliminar pequeñas manchas. Su uso correcto de forma regular previene la formación de suciedad más incrustada

en los productos y tejidos ISINAC. Deje secar la tapicería.

2. Alcohol: Los desinfectantes a base de alcohol y etanol son altamente eficaces contra bacterias, virus y hongos. La marca ha realizado pruebas con spray o soluciones de 75% alcohol como toallitas húmedas. Se pueden emplear con tejidos Trevira CS.

3. Lejía: Es un potente agente oxidante que limpia manchas de forma eficaz. Está disponible en múltiples establecimientos en distintas concentraciones pero siempre conviene diluirla antes de su uso. Para una desinfección general use una lejía doméstica (4,5g por cada 100g de hipoclorito sódico) y siga las instrucciones del fabricante: mida la dosis requerida, moje un paño en la solución y retire el excedente de líquido. Limpie suavemente el tejido y deje secar. Para una limpieza más exhaustiva como en protocolos de desinfección sanitaria es posible utilizar una disolución 1:4 de lejía en agua. Observe las pautas del fabricante y aplique el mismo procedimiento descrito anteriormente a la hora de limpiar el producto. Use lejía con tejido Trevira CS, NO usar en tejidos de fibras naturales como la lana IZZER.

4. Vapor: Es una limpieza libre de químicos si se emplea la combinación adecuada de temperatura y presión. Las temperaturas deben rondar los 180° y presiones de hasta 150Psi. Uso en lana y poliéster Trevira CS.

Importante:

La gama de tejidos ISINAC se ha desarrollado para soportar el mantenimiento y limpieza regular. Recomendamos seguir estas instrucciones sobre limpieza y realizar primero pruebas puntuales en una parte discreta del material. Métodos fuera de esta guía y recomendaciones pueden invalidar y anular cualquier garantía por parte de ISINAC.

La información aquí contenida se basa en la investigación técnica y pruebas realizadas por la propia compañía o en laboratorios técnicos certificados por terceros. Esta limpieza puede afectar a los textiles en tres características principales:

- resistencia al color.
- rendimiento al color.
- rendimiento de inflamabilidad, y debilitamiento del material.

Todo estas características podrían verse afectadas por la frecuencia con la que se lleva a cabo esta limpieza.



WARRANTY POLICY

- Every product is supplied fit for its purpose, as it is told in the specifications.
- Every product applies the established technical specifications in force at the time of manufacture.
- ISINAC reserves the right to review the products to see if they have been used, unpacked, transported and installed according to good practices and the GSC.

What products do the warranty include? All of them

1. Mineral foam – 10 years of warranty (using it according to the installation manual and the technical sheet)

- a. Grey +:
- Blowing
 - Front and edges:
 - Ø a 5mm: unlimited
 - Ø 10-15mm: < 10ud piece
 - Ø 15-25mm: < 2ud piece D
 - Back: unlimited in quantity and size.
 - Dimensional tolerances
 - Long and width: 3-5mm
 - Thickness: 2-3mm
- b. White:
- Blowing
 - Front and edges:
 - Ø a 7mm: unlimited
 - Ø 7-16mm: < 12ud piece
 - Ø 16-25mm: < 4ud piece D
 - Back: unlimited in quantity and size.
 - Dimensional tolerances
 - Length and width: up to 7 mm per metre
 - Thickness: up to 4 mm
- c. The mineral foam warranty is conditional to the use and maintenance.
- It should not be exposed to temperatures above 100 degrees Celsius for more than 5 hours.
 - It should not be in contact with sources of dust, liquids, oils... since being a porous material (99.7% air) it will get dirty, wet...

2. WB - 10 years of warranty (using according to the installation manual and the technical sheet)

Dimensional tolerances up to 3 mm

3. Adhesive:

- normal temperature – 100gr/m2 – (less than 45 degrees) – (installation according ISINAC manual) – 10 years warranty.
- High temperature – 200gr/m2 - (greater than 45 degrees and less than 50 degrees) – (installation according ISINAC manual) – 10 years warranty.

4. Fabric

- ILUCS 10 years warranty
- IZZER 10 years warranty
- Discoloration material
 - The guarantee does not apply in case of discoloration. However, most of the products and materials have been properly protected to maximize the durability of the color. (see color durability tests) resistance according to standard of 5-6 (scale of 1-6)
 - Low resistance to natural light of our fabrics. They are for indoors. Resistance according to standard between 2-3 (scale from 1 to 6)

In which cases would the guarantee not apply?

- If the product were disrupted or cut by any other person or company no authorized.
- Wrong installation (It is suggested to watch our installation manuals and/or videos to each product)
- Wrong unboxing.
- Wrong use of the material (intentional stains, scrapes, etc.)
- Exposure to extreme weathers.
- Exposure to harmful cleaning, bad maintenance or lack of cleaning.

How to validate the warranty of your product?

- The product must be in the warranty term.
- The warranty starts to count from the invoice date.
- To process a guarantee, you must send an email to info@isinac.com or contact the salesperson who attended you. With the following information:

- Name:
- Phone number:
- Nº Invoice:
- Nº Order:
- Product which is failing:
- Short description of the fail:
- Photos:



CONDICIONES GENERALES DE GARANTÍA

- Todo el producto se suministra apto para su propósito, como se indica en las especificaciones.
- Todo producto cumple con las especificaciones técnicas establecidas vigentes en el momento de la fabricación.
- ISINAC se reserva el derecho de revisar los productos para ver si han sido usados, desembalados, transportados e instalados según las buenas prácticas y las CGV.

¿Qué productos incluyen garantía? Todos.

1. Espuma mineral – 10 años de garantía (usado según manual de instalación y ficha técnica):

- Gris +:
 - Sopladuras
 - Frente y bordes:
 - Ø a 5mm: ilimitado.
 - Ø 10-15mm: < 10ud pieza.
 - Ø 15-25mm: < 2ud pieza D.
 - Dorso: ilimitado en cantidad y tamaño.
 - Tolerancias dimensionales
 - Largo y ancho: 3-5mm.
 - Espesor 2-3mm.
- Blanca:
 - Sopladuras
 - Frente y bordes:
 - Ø a 7mm: ilimitado.
 - Ø 7-16mm: < 12ud. pieza.
 - Ø 16-25mm: < 4ud. pieza D.
 - Dorso: ilimitado en cantidad y tamaño.
 - Tolerancias dimensionales
 - Largo y ancho: por cada metro, hasta 7mm
 - Espesor: hasta 4mm
- La garantía de la espuma mineral está condicionada a su uso y mantenimiento.
 - Debe no exponerse a temperaturas superiores a 100 grados centígrados por un tiempo superior a 5 horas.
 - No debe estar en contacto con fuentes de polvo, líquidos, aceites... dado que al ser un material poroso (99,7% de aire) se ensuciará, mojará...

2. WB - 10 años de garantía (usado según manual de instalación y ficha técnica)

Tolerancias dimensionales hasta 3mm

3. Adhesivo:

- TTª normal – 100gr/m2 - (inferior a 45 grados) – (instalación según manual ISINAC) – 10 años de garantía.
- Alta TTª – 200gr/m2 – (superior a 45 grados e inferior a 50 grados) – (instalación según manual ISINAC) – 10 años de garantía.

4. Tejido:

- ILUCS 10 años de garantía
- IZZER 10 años de garantía
- Decoloración del material
 - La garantía no se aplica en caso de la decoloración. Sin embargo, la mayoría de los productos y materiales ha sido debidamente protegidos para maximizar la durabilidad del color. (ver ensayos de durabilidad de color) resistencia según norma de 5-6 (escala de 1-6).
 - Resistencia a luz natural baja de nuestros tejidos. Son para interior. Resistencia según norma entre 2-3 (escala de 1 a 6).

¿En qué casos no procedería la garantía?

- Si el producto fue alterado o cortado por cualquier persona o empresa no autorizada.
- Mala instalación (te recomendamos ver nuestros manuales de instalación y/o videos para cada una de los productos).
- Mal desempaque.
- Mal uso de la misma (manchas intencionales, raspaduras etc.).
- Exposición a climas extremos.
- Exposición a limpieza dañina, mal mantenimiento o no limpiarlo.

¿Cómo hacer válida la garantía de su producto?

- El producto debe encontrarse dentro del periodo de garantía.
- La garantía comienza a correr a partir de la fecha de fabricación
- Para tramitar una garantía, deberá enviar un correo a info@isinac.com o ponerse en contacto con el comercial que le atendió. Con la siguiente información:

- Nombre:
- Teléfono:
- # de Factura:
- # de pedido:
- Producto que está fallando:
- Descripción breve de la falla:
- Fotografías:



GENERAL INSTALLATION CONDITIONS

Ideas about where to install:

- Far from dust and dirt sources.
- If it is known that the last point is going to happen, It is better to choose the panels with washable ILUCS fabric.
- Taking care of the lighting angles in order to not create shadows or decrease the lumens in places with work tables.
- Get away from heat sources above 50 degrees.
- If material is hanging and there is environmental sound as it happens in a disco pub or a party room, the material could vibrate with decibels higher than 80dB, as a consequence in these cases is better to adhesive it or use it with WB solutions.
- The panels can't be cut by any person external to ISINAC or out of the ISINAC premises. In case this happens, the panels would stop being covering by the ISINAC warranty.

Foam without adhesive – 570.570.33mm Grey without adh. Boxes of 40ud

- It is for hanging. It could be bought the hang accessory: spring, cable.
- If it is going to be stuck on , ISINAC does not take responsibility about how it is stuck on.
- If it is required the stuck panel guarantee it must be order another type of product code like the 570.570.40mm.G.Adh

Grey foam with adhesive.

- Suitable for any type of environments except turkish baths and rooms where the cleaning is done using mechanics ways like direct water or similar.
- The adhesive can be been protected by a yellow or brown layer.

Yellow

- Resistant to temperatures below 40 °C.
- Most ISINAC pieces.
- 80gr of adhesive.

Brown

- Resistant to temperatures below 50 °C.
- Always the ISINAC LINEAR piece
- 200gr of adhesive.

- It is flexible as a consequence for its hanging use the anchors should be placed (in number and space between them) as it is drawn in the catalogue and in the price list
- Because of its flexibility it can suit itself to irregular surfaces.
- It cannot be cut by personnel outside ISINAC or outside ISINAC facilities. If this were the case, the piece would no longer be covered by the ISINAC guarantee..
- The adhesive is a contact adhesive so the panel can't be placed in a surface and then move it. It doesn't allow movement or re-placement. Once the adhesive protective layer is removed the piece must be installed before 10 minutes, othewise it will lose Isinac's guarantee.

White foam with adhesive

- Suitable for any type of environments except swimming pools or wet environmets; furthermore turkish baths and rooms where the cleaning is done using mechanics ways like direct water or similar.
- The adhesive can be been protected by a yellow or brown layer.

Yellow

- Resistant to temperatures below 40 °C.
- Most ISINAC pieces.
- 80gr of adhesive.

Brown

- Resistant to temperatures below 50 °C.
- Always the ISINAC LINEAR piece
- 200gr of adhesive.

- It is flexible as a consequence for its hanging use the anchors should be placed (in number and space between them) as it is drawn in the catalogue and in the price list
- Because of its flexibility it can suit itself to irregular surfaces.
- It cannot be cut by personnel outside ISINAC or outside ISINAC facilities. If this were the case, the piece would no longer be covered by the ISINAC guarantee..
- The piece must be installed before 10 minutes, othewise it will lose Isinac's guarantee.
- The white color foam has +/- thickness from 7 to 15kg, depending on the fact if the panel is from the core or from the edges of the original block, as a consequence when it



CONDICIONES GENERALES DE GARANTÍA

Nociones sobre dónde instalar:

- Alejado de fuentes de polvo y suciedad
- Si se sabe que vamos a tener lo anterior mejor con funda lavable ILUCS.
- Cuidado con los ángulos de la iluminación para no crear sombras o reducir los lúmenes en superficies como mesas de trabajo.
- Alejar de fuentes de calor superiores a 45 grados.
- Si va colgado y hay sonido ambiente como discoteca o sala de fiestas, el material puede vibrar con decibelios superiores a 80dB, con lo que es mejor adhesivarlo o usarlo con soluciones WB.
- No se puede cortar por personal ajeno a ISINAC o fuera de las instalaciones de ISINAC. Si así ocurriese la pieza dejaría de estar cubierta por la garantía de ISINAC.

Espuma sin adhesivo – 570.570.33mm Gris sin adh. En caja de 40ud

- Es para colgar. Se puede adquirir el accesorio de cuelgue: muelle, cable.
- Si se va a pegar ISINAC no se responsabiliza de cómo se pegue.
- Si se quiere garantía de pegado hay que adquirir otro código de producto como el 570.570.40mm G Adh.

Espuma con adhesivo Gris

- Válida para todo tipo de ambientes excepto baños turcos, salas de limpieza en donde la limpieza sea por medios mecánicos con agua directa y similares.
- El adhesivo puede estar protegido por una lámina amarilla o marrón.
 - Amarillo
 - resistente a temperaturas inferiores de 45°.
 - mayoría de las piezas de ISINAC.
 - son 80gr de adhesivo.
 - Marrón
 - Resistente a temperaturas inferiores de 50°.
 - Siempre en pieza LINEAR de ISINAC.
 - Son 200gr de adhesivo.

- Es flexible por ello para su uso colgado debe llevar los herrajes de cuelgue donde aparecen en la tarifa y en el manual de instalación, en número y distancia.
- Por su flexibilidad se puede adaptar a las superficies irregulares.
- No se puede cortar por personal ajeno a ISINAC o fuera de las instalaciones de ISINAC. Si así ocurriese la pieza dejaría de

estar cubierta por la garantía de ISINAC.

- El adhesivo es de contacto por ello no se puede colocar en la superficie y mover. No admite movimiento o recolocación. Y una vez retirada la lamina de protección disponemos de 10 minutos antes del comienzo de la oxidación del adhesivo. Si nos dilatamos mas de 10 minutos en la colocación la pieza dejaría de estar cubierta por la garantía de ISINAC.

Espuma con adhesivo Blanca

- Válida para todo tipo de ambientes excepto piscinas u ambientes húmedos, además de baños turcos, salas de limpieza en donde la limpieza sea por medios mecánicos con agua directa y similares.
- El adhesivo puede estar protegido por una lámina amarilla o marrón.

Amarillo

- resistente a temperaturas inferiores de 45°.
- mayoría de las piezas de ISINAC.
- son 80gr de adhesivo.

Marrón

- Resistente a temperaturas inferiores de 50°.
- Siempre en pieza LINEAR de ISINAC.
- Son 200gr de adhesivo.

- Es flexible por ello para su uso colgado debe llevar los herrajes de cuelgue donde aparecen en la tarifa y en el manual de instalación, en número y distancia.
- Por su flexibilidad se puede adaptar a las superficies irregulares.
- No se puede cortar por personal ajeno a ISINAC o fuera de las instalaciones de ISINAC. Si así ocurriese la pieza dejaría de estar cubierta por la garantía de ISINAC.
- El adhesivo es de contacto por ello no se puede colocar en la superficie y mover. No admite movimiento o recolocación. Y una vez retirada la lámina de protección disponemos de 10 minutos antes del comienzo de la oxidación del adhesivo. Si nos dilatamos más de 10 minutos en la colocación la pieza dejaría de estar cubierta por la garantía de ISINAC.
- La espuma de color blanco tiene un +/- densidad de 7 a 15kg dependiendo de si es núcleo o bordes del bloque matriz, por ello a la hora de hacer la instalación puede notarse un cambio de densidad al cogerla o apretarla contra la superficie.

Cortinas:

- No suministramos barras ni raíles.
- Se suministra con arandelas o con ganchos para raíles.
- Se suministran en tramos de:
 - 1,65m de ancho para el tejido ILUCS.
 - 1,35m de ancho para el tejido IZZER.



is going to be installed it can be noticed some changes in the thickness when the panel is taken or when it is pressed against the surface

Curtains:

- ISINAC doesn't supply the bars and neither the rails.
- They are supplied with washers or rail hooks.
- They are supplied in sections of:
 - 1,65m width for ILUCS fabric.
 - 1,40m width for IZZER fabric.
- The height is variable and it is custom made for each order.
- Always is charged complete m2.
- In the edges they have zippers for joining the sections, in order to set up or break down in an easy way, simplify the cleaning and maintenance, etc.
- The curtain panel is 25%, for a 1m gap, 1.25m of curtain length is needed, as it has been tested. (see with Mark)
- The distance from the test wall is 10cm from the axis of the rod. There are 3cm from the outer edge of the curtain.
- The separation from the trial's wall is 10cm from the axis of the bar. From outside of the curtain there are 3cm.
- For a correct cleaning, please, to read the GC of cleaning and maintenance.

Tens-tex:

- It is supplied with:
 - Mineral foam.
 - Tens-tex profiles.
 - ILUCS or IZZER fabric for public use rooms.
- It could be bought apart accessories for the installation:
 - Spatula.
 - Hot knife.
 - Profile scissors.
- It is supplied in sections of:
 - 1,6/1,3m width for ILUCS fabric maximum length 50ML.
 - 1,3m width for IZZER fabric maximum length 30ML.
- The quantity of profile which is needed to order is the client responsibility. The length of the profile is 2m and it goes in packages of 25 units. ISINAC can help to do the comment of the layout and the calculations of how many meters of the profile are needed. Each 25 units of profile go in one cylindrical box and it counts as 1 only package.

- It is always charged complete ML for the fabric and the profile, the foam is charged by units.
- For correct cleaning to read the GC of cleaning and maintenance.
- The foam has 14mm thickness.
- The fabric can be placed vertically, in this way for each maximum width of fabric minus 10cm, requiring a vertical profile. However, if it is placed horizontally, the joints will occur horizontally.
- For each
 - Wall pillar, it is needed 4 x the number of profiles needed.
 - Door in a wall, it is needed 3 x the number of profiles needed.
 - Window in a wall, it is needed 4 x the number of profiles needed.
 - Plug, mechanism, etc. It is better to manufacture a board as it shows. in the installation video, fireproof MDF board.



- La altura es variable y se hace a medida para cada pedido.
- Siempre se cobran m2 completos.
- En los extremos llevan cremalleras para unir piezas, montar y desmontar con facilidad, para que la limpieza y mantenimiento sea sencillo, etc.
- El pliego de la cortina es un 25%, para una medida de 1m de hueco se necesita 1,25 de largo de cortina, es así como esta ensayada.
- La separación a la pared de ensayo es 10cm desde eje de barra. Desde exterior de cortina quedan 3cm.
- Para una correcta limpieza ver las CG de limpieza y mantenimiento.

Tens-tex:

- No suministramos la base de anclaje.
- Se suministra con:
 - Espuma mineral.
 - Perfil tens-tex.
 - Tejido ILUCS, IZZER para uso público.
- Se puede adquirir a parte accesorios de instalación:
 - Paleta.
 - Cuchillo caliente.
 - Tijera perfiles.
- Se suministran en tramos de:
 - 1,6/1,3m de ancho para el tejido ILUCS largo máximo 50ml.
 - 1,3m de ancho para el tejido IZZER largo máximo 30ml.
- La cantidad de perfil necesario es responsabilidad del cliente saber cuanto pedir, el largo del perfil es de 2m y va en paquetes de 25ud. En ISINAC podemos ayudar a hacer el despiece y calcular los metros necesarios de perfil a usar. Cada 25ud de perfiles van en una bobina de cartón y cuenta como un bulto de envío.
- Siempre se cobran ml completos de tejido y perfil, la espuma por unidades.
- Para una correcta limpieza ver las CG de limpieza y mantenimiento.
- La espuma tiene un espesor de 14mm.
- Se puede colocar en vertical el tejido, de esta manera por cada ancho máximo de tejido menos 10cm necesitará un perfil vertical. Sin embargo si se coloca en horizontal las juntas se producirán horizontalmente.
- Por cada
 - pilar en una pared se necesitan 4 x el número de perfiles necesarios.
 - puerta en una pared se necesitan 3 x el número de perfiles necesarios.
 - ventana en una pared se necesitan 4 x el número de perfiles necesarios.
 - enchufe, mecanismo, etc mejor fabricar una tabla como aparece en el vídeo de instalación, tabla de DM ignífugo.

ADHESIVE / ADHESIVA



<https://bit.ly/45bsxuj>

HANGING / COLGADA



<https://bit.ly/4mL3zZH>

MAGNET / MAGNÉTICA



<https://bit.ly/43PTC11>

TENS-TEX



<https://bit.ly/442i4AG>

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