



TECHNICAL DATA SHEET

PANEL ILUCS SUSPENDED 40 mm

Absorbent panel of 40 mm made of mineral foam lined in ILUCS, suspended from the ceiling at 400 mm from the surface.

~||| α_w

0,80 (H)

weighted absorption
EN ISO 11654

🔥 Class

C-s2,d0

reaction to fire
EN 13501-1:2018

📏 Thickness

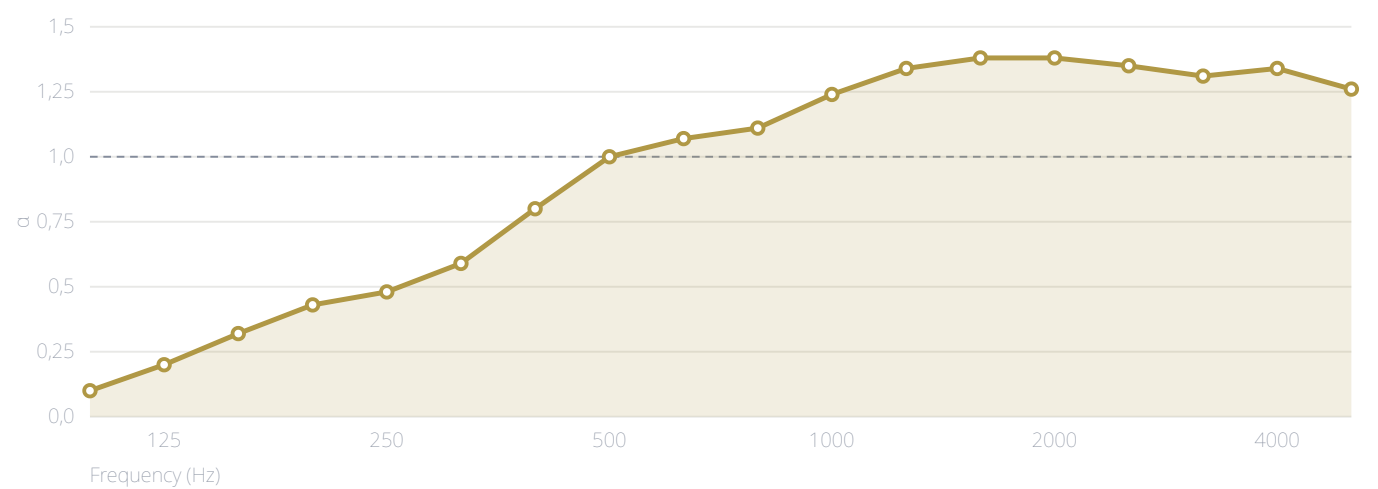
40 mm

of the assembly



Acoustic absorption

Reverberation chamber test according to EN ISO 354:2003 (evaluation according to EN ISO 11654:1997) · Basque Government Quality Control Laboratory for Buildings — Acoustics Area, managed by FUNDACIÓN TECNALIA RESEARCH & INNOVATION. ENAC No. 4/LE456. Notified Body 1292. Agirrelanda 10, 01013 Vitoria-Gasteiz (Spain) · report B2019-LACUS-IN-54 II (result B2019-54-M607) (17/04/2019). Specimen: configuration of panels ISINAC C.610.40 ADH, 610 x 610 mm and 40 mm thickness, located at 400 mm above the floor of the chamber, with 30 mm separation between panels and the hidden side facing the floor, covering 12,08 m². Corresponds to mounting type E (separation of 400 mm from the surface).



α_w 0,80 (H)

Weighted absorption coefficient, according to EN ISO 11654. It is the single value used for specification.

NRC 1.00

Average of the 250, 500, 1000 and 2000 Hz bands. Standard reference in North American projects.

HZ	125	250	500	1000	2000	4000
α_s	0,2	0,48	1,0	1,24	1,38	1,34

Absorption coefficient at reference frequencies, ready to be entered into the room reverberation calculation.

Reaction to fire

C-s2,d0

EN 13501-1:2018 · FUNDACIÓN TECNALIA RESEARCH & INNOVATION — Fire Safety Laboratory, Bº Lasao, Área Anardi 5, 20730 Azpeitia (Gipuzkoa), Spain. ENAC 4/LE024, ref. 080046-001-2-a (classification) · test report 080046-001-1-a (12/06/2019)

Classification issued by an independent laboratory on the tested product according to EN 13501-1:2018.



The **acoustic** tests in this data sheet were carried out at **TECNALIA**, a laboratory accredited by **ENAC** and a signatory to the **ILAC-MRA** agreement, which gives international recognition to the results. The reaction to fire classification is issued by the laboratory cited in its block.

Composition, layer by layer

LAYER	MATERIAL	COMPOSITION	GRAMMAGE / DENSITY	POSITION
1	ILUCS	100% polyester Trevira CS	265 g/m ²	exposed side and 4 edges, with 2 cm fabric anchorage glued around the perimeter of the rear face
2	Self-adhesive	self-adhesive with mesh	80 g/m ²	hidden side
3	Mineral foam core	open cell mineral foam	9 kg/m ³ ±16%	40 mm nominal thickness

Assembly thickness: 40 mm.

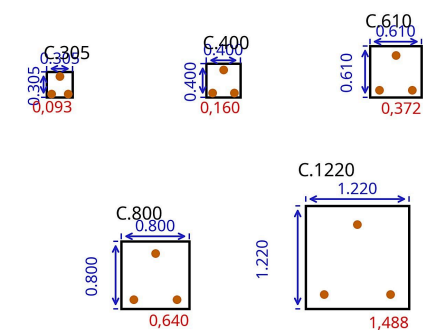
Color

43 references from the ILUCS color chart, plus customization by sublimation with logos, photos or Pantone colors. Fabric width 140 or 170 cm.

Dimensions and installation

 Square	305 x 305 · 400 x 400 · 610 x 610 mm (tested format) · 800 x 800 · 1220 x 1220
 Rectangle	1220 x 100 · 1220 x 200 · 1220 x 305 · 1220 x 400 · 1220 x 610 mm
 PILL	610 x 305 · 1220 x 305 · 800 x 400 · 1220 x 400 mm
 TRISMA	610 x 407 · 800 x 533 · 1220 x 813 mm
 Hexagon	Ø 305 mm · Ø 610 mm · Ø 1220 mm (circumscribed circle)
 Circle	diameter 305 mm · diameter 400 mm · diameter 610 mm · diameter 800 mm · diameter 1220 mm
 Thickness	40 mm
 Distance to the surface	400 mm (the one used in the test and standard installation)

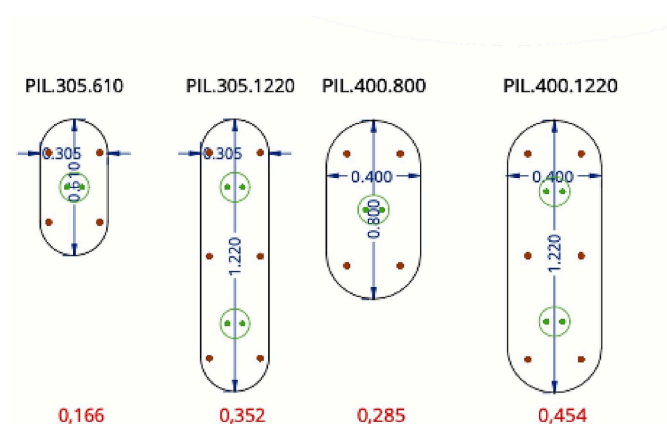
Dimensions in meters. The dots mark the mounting anchors; the number in red is the surface area of the piece in m². All formats are supplied in the product thicknesses.



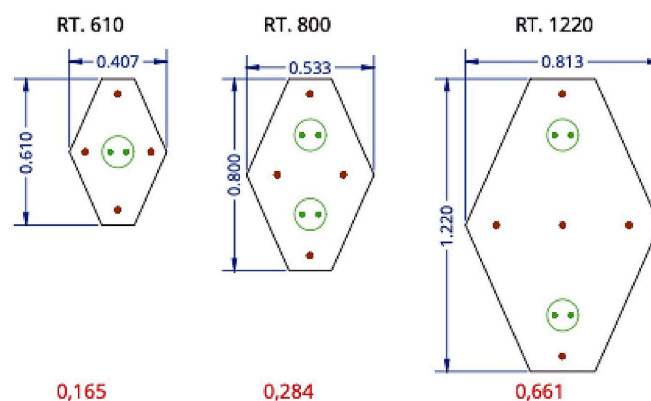
SQUARE



RECTANGLE



PILL



TRISMA



HEXAGON



CIRCLE

What ISINAC brings to a certified project

Current certifications of ISINAC ACOUSTIC WORLD S.L.U., with its registration number and validity. Complete documentation available to the drafting team.

ISO 14001 · ISO 14006 Environmental management and ecodesign. Bureau Veritas. CURRENT UNTIL 2029	CE Marking · DoP Declaration of Performance of its product family. ISSUED 2026	OEKO-TEX® Certification of ILUCS, free of harmful substances. STANDARD 100, product class II. CURRENT UNTIL 06-02-2027
SCS Indoor Advantage™ Gold SCS-IAQ-11186 · VOC emissions according to CDPH v1.2. Covers ILUCS. CURRENT UNTIL 31-08-2027	Trevira CS Permanent flame-retardant polyester fabric; brand approval issued in the name of ISINAC. CURRENT	

What this product adds to building certification

12 WELL documentable credits	6 HQE documentable credits	5 LEED documentable credits	4 BREEAM documentable credits	4 DGNB documentable credits
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Credits that ISINAC can document for this product, with the test or certificate supporting them. The points awarded by each one and who grants them are on the last page.

Material and lifecycle, at a glance

 ILUCS 100% polyester Trevira CS	 40 mm thick Of the assembly.	 VOC emissions below threshold SCS Indoor Advantage Gold, CDPH v1.2 method, on the fabric.
 Made in the European Union Made in Europe seal.	 43 references from the ILUCS color chart, plus customization by sublimation with logos, photos or Pantone colors Catalog finishes.	

Documentation accompanying this product

All available for the drafting team, upon request and free of charge: accredited laboratory absorption test report · reaction to fire classification · Declaration of Performance (CE marking) · fabric certificates (OEKO-TEX, VOC emissions) · band coefficients in native format for ODEON, EASE, CATT, INSUL, and SONarchitect.



CERTIFICATION	CREDIT	POINTS	HOW IT IS ACCREDITED
BREEAM	Hea 06 — <i>Acoustic performance</i>	—	accredited laboratory absorption and insulation tests ENAC
BREEAM	Hea 04 — <i>Indoor air quality</i>	—	VOC emissions certificate
LEED v4.1	EQ — <i>Low-Emitting Materials</i>	1–3	SCS Indoor Advantage Gold, CDPH v1.2 method
LEED v4.1	EQ — <i>Acoustic Performance</i>	1	band absorption coefficients for reverberation calculation
DGNB	ENV1.1 — <i>Life cycle assessment</i>	up to 130	LCA modules broken down, in a format readable by calculation tools
DGNB	SOC1.3 — <i>Acoustic comfort</i>	up to 110	α_p per band, α_w and equivalent sound absorption area
DGNB	ENV1.3 — <i>Resource extraction</i>	up to 100	certifications of origin and environmental management
HQE	Material emissions	2	carcinogenic formaldehyde and VOC 1A and 1B below threshold
HQE	Acoustics in common areas	up to 3	available absorption tests
WELL	S05 — <i>Sound Reducing Surfaces</i>	2	the product is the compliance element
WELL	S04 — <i>reverberation time</i>	2	absorption coefficients of the material
WELL	S06 — <i>acoustic privacy reinforcement</i>	1	hangs from S05, with the same backing

The points are those granted by each credit in its current version; the Assessor awards them based on the complete building. Detailed reasoning per certification label available upon request.

Documentation for your project

Complete test reports, Declarations of Performance, certificates and acoustic calculation sheets available to the design team. We provide specification support from the project phase to the construction site.

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