



TECHNICAL DATA SHEET

PANEL ILUCS ADHESIVE 60 mm

Sound-absorbing panel of 60 mm made of mineral foam coated with ILUCS, with self-adhesive on the hidden side for direct installation on wall or ceiling.



α_w

1,00

weighted absorption
EN ISO 11654



Class

**Foam: C-s2,d0 ·
ILUCS: B-s1,d0**

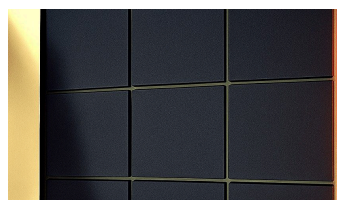
reaction to fire
EN 13501-1:2018



Thickness

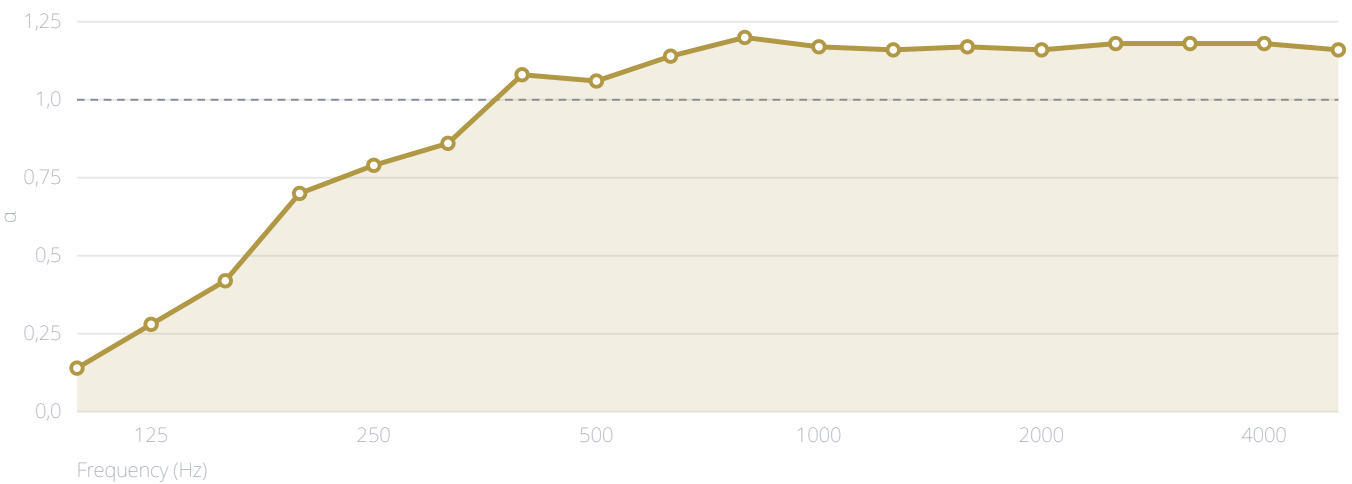
60 mm

of the assembly



Acoustic absorption

Reverberation chamber test according to EN ISO 354:2003 · evaluation according to EN ISO 11654:1997 · FUNDACIÓN TECNALIA R&I — Basque Government Quality Control Laboratory for Buildings, Agirrelanda 10, Vitoria-Gasteiz (accreditation ENAC 4/LE456) · report 110259-1 (10/01/2024). Test of the 60 mm foam with adhesive, without fabric (panels C.610.60 ADH on the floor of the chamber, without air chamber, 12,08 m²). With ILUCS the absorption does not drop —at 40 mm the fabric increases it from 0.75 to 0.85— and α_w does not exceed 1.00.



α_w 1,00

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

NRC 1.05

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	0,28	0,79	1,06	1,17	1,16	1,18

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

Reaction to fire

Foam: C-s2,d0 ·
ILUCS: B-s1,d0

EN 13501-1:2018 · Foam: FUNDACIÓN TECNALIA R&I (Área Anardi 5, 20730 Azpeitia), ENAC 4/LE024 · ILUCS: BTGT, EN ISO/IEC 17025, ref. Foam: classification report Tecnalía 080046-001-2-a (basis: test report 080046-001-1-a) · ILUCS: BTGT 27/05749D/11/21 (12/06/2019 (foam) · 30/11/2021 (ILUCS))

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, anchored with 2 cm of fabric glued around the perimeter of the rear face
2	Mineral foam core	open cell mineral foam	9 kg/m ³ (ISO 845)	core, 60 mm
3	Self-adhesive	self-adhesive with mesh	80 g/m ²	hidden side, direct installation

Assembly thickness: 60 mm.

 Color

43 references from the ILUCS color chart, plus customization by sublimation with logos, photos or Pantone colors. Each reference has its roll width noted, 140 or 170 cm.

 Dimensions and installation

 Thickness	60 mm
 Square	305 x 305 · 400 x 400 · 610 x 610 · 800 x 800 · 1220 x 1220 mm
 Rectangle	1220 x 100 · 1220 x 200 · 1220 x 305 · 1220 x 400 · 1220 x 610 mm
 Circle	diameter 305 mm · diameter 610 mm · diameter 800 mm · diameter 1220 mm
 Hexagon	Ø 305 mm · Ø 610 mm · Ø 1220 mm (circumscribed circle)

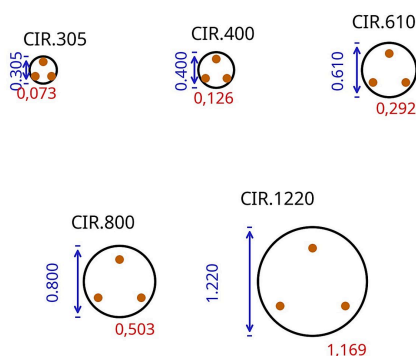
Dimensions in meters. The dots mark the mounting anchors; the number in red is the surface area of the piece in m². All formats are supplied in the product thicknesses.



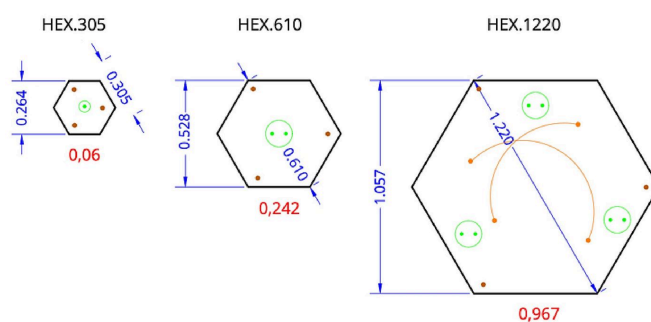
SQUARE



RECTANGLE



CIRCLE



HEXAGON

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.

EPD · DAP Type III EPD-IES-0033394:001 · EN 15804+A2 · ISO 14025. Third-party verified. VALID UNTIL 05-08-2031	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

Carbon footprint

9,64 kg CO₂ eq/m²

Manufacturing, modules A1-A3 (cradle to gate).

Transport and installation (A4-A5)	0,19
Use, cleaning in 25 years (B2)	0,19
End of life (C2, C4)	0,22

Data from the Environmental Product Declaration **EPD-IES-0033394:001**, verified by an independent third party and registered in The International EPD System, in accordance with **EN 15804+A2** and **ISO 14025**. Reference service life 25 years.

Scope of the declaration: flat panels with ILUCS, adhesives.

What this product adds to building certification

12 WELL documentable credits	8 LEED documentable credits	8 HQE documentable credits	7 BREEAM documentable credits	5 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



60 mm thick
Of the assembly.



9,64 kg CO₂ eq/m²
Modules A1-A3, verified in EPD.



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) · verified Environmental Product Declaration (EPD) and carbon footprint document · 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	Mat 02 — <i>Environmental impacts</i>	1,5	Verified product EPD: the maximum of the EPD points table
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	MR — <i>BPDO: EPD</i>	1–2	Product-specific EPD with individual external verification
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	CC.4 — <i>reduction of greenhouse gases</i>	3	9,64 kg CO ₂ eq/m ² verified and comparable
HQE	Environmental impact according to EN 15978 / ISO 21931	2	DAP feeds the building calculation
HQE	Material emissions	2	carcinogenic formaldehyde and VOC 1A and 1B below threshold
HQE	Acoustics in common areas	up to 3	class A with 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
Cradle to Cradle	Requirements 6.2 and 7.2	—	DAP is the main part of the file
EU regulations	Regulation 2024/3110 · EPBD 2024/1275	mandatory	declaring the GWP is mandatory as of 01-08-2026: this DAP already complies with it

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.
www.isinac.com · info@isinac.com