



TECHNICAL DATA SHEET

WB HP ILUCS · 140 mm

Large-format sound-absorbing panel of 140 mm thickness, with ILUCS on the visible side, for absorption in low, medium, and high frequencies.

~||| α_w

1,00

weighted absorption
EN ISO 11654

🔥 Class

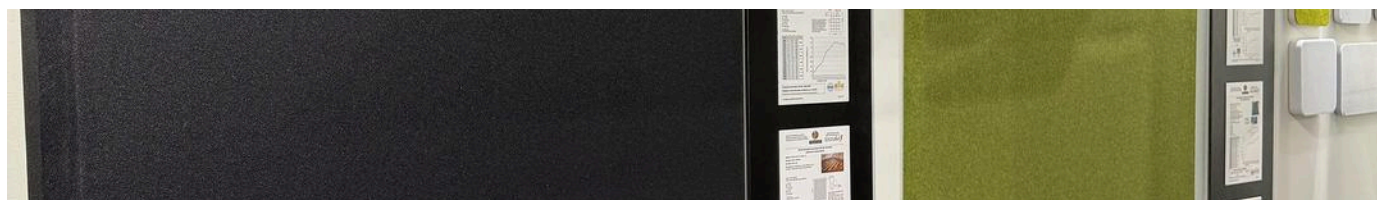
**Foam: C-s2,d0 ·
ILUCS: B-s1,d0**

reaction to fire
EN 13501-1:2018 (by components)

📏 Thickness

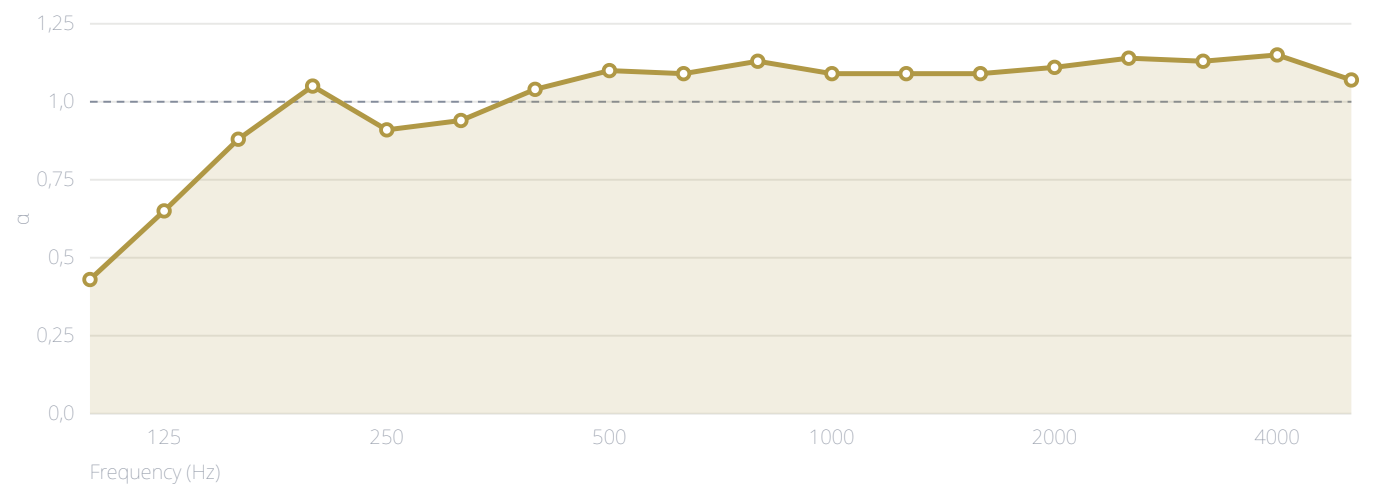
140 mm

of the assembly



Acoustic absorption

Reverberation room test according to EN ISO 354:2003 (aw according to EN ISO 11654:1997) · TECNALIA (Fundación TECNALIA R&I, accreditation ENAC 4/LE456), reverberation room of the Quality Control Laboratory for Buildings of the Basque Government, Vitoria-Gasteiz · report 110259-7 (27/05/2024). ISINAC WB HIGH PERFORMANCE panels of 1220 x 2000 x 140 mm placed at 400 mm from a surface, butt-jointed, hidden face towards the floor of the room; test surface 11,79 m². Test date: 25/04/2024



α_w 1,00

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

HZ	125	250	500	1000	2000	4000
α_s	0,65	0,91	1,1	1,09	1,11	1,15

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 (by components) · foam: TECNALIA R&I (ENAC 4/LE024) · fabric: BTTG, Leeds (EN ISO/IEC 17025), ref. foam: 080046-001-2-a · fabric: 27/05749D/11/21 (foam: 12/06/2019 · fabric: 30/11/2021)

Declared reaction to fire classes by component.

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



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	~1 mm thick 100% polyester Trevira CS fabric on the exposed face and covering the edge of the frame	265 g/m ²	exposed side
2	open cell mineral foam	layered sound-absorbing core of 33 and 60 mm inside the frame	9 kg/m ³ nominal density	core
3	perimeter frame	fire-treated solid pine wood, 130 mm high x 33 mm thick		perimeter frame
4	Fire-retardant MDF	inside the frame		hidden side

Assembly thickness: 140 mm.

 Dimensions and installation

 Standard format	1220 x 2000 mm
 Thickness	140 mm

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	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 ~1 mm thick 100% polyester Trevira CS fabric...	 140 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.		

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 · 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	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

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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