



TECHNICAL DATA SHEET

WB IMECO IZZER · 33 mm

Eco-friendly sound-absorbing panel custom-made for large dimensions: fire-treated solid pine frame, merino wool inside, and IZZER made of wool on the visible side. Only for suspended or mechanically anchored installation.



0,80 (H)

weighted absorption
EN ISO 11654



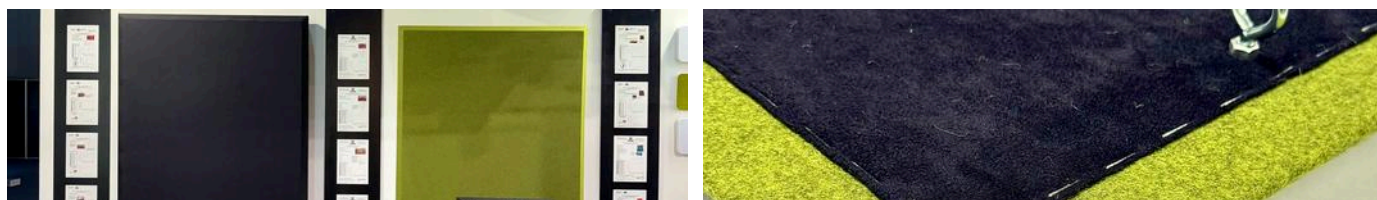
IZZER: C-s1,d0

reaction to fire
EN 13501-1:2018 (fabric only)



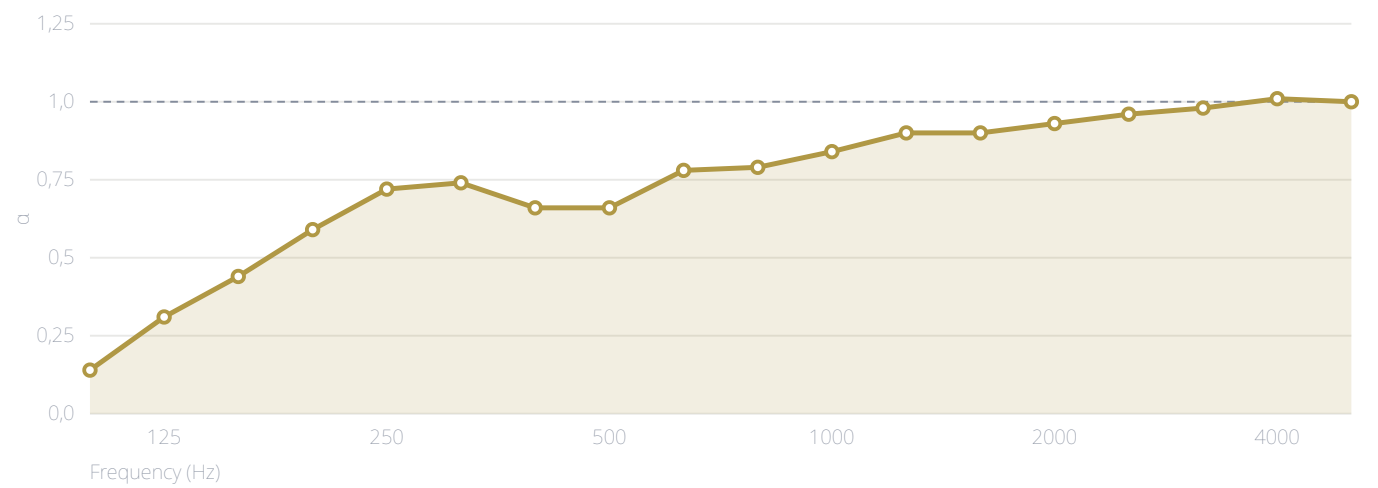
33 mm

of the assembly



Acoustic absorption

Reverberation chamber test according to EN ISO 354:2003 (aw according to EN ISO 11654:1997) · TECNALIA (Fundación TECNALIA R&I, accreditation ENAC 4/LE456), reverberation chamber of the Basque Government Quality Control Laboratory for Buildings, Vitoria-Gasteiz · report 110259-4 (23/02/2024). Panels ISINAC WB IMECO 33 mm of 1220 x 1600 mm placed at 400 mm from a surface, butt joint, hidden side facing the floor of the chamber; test surface 11,71 m². Date of test: 30/01/2024



α_w 0,80 (H)

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	0,31	0,72	0,66	0,84	0,93	1,01

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

Reaction to fire

IZZER: C-s1,d0

EN 13501-1:2018 (fabric only) · fabric: BTTG, Leeds (EN ISO/IEC 17025), fabric ref: 27/05749B/11/21 (fabric: 30/11/2021)

Declared reaction to fire classes by component.
Classification issued by an independent laboratory on the product tested according to EN 13501-1:2018 (fabric only).



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	IZZER	100% virgin merino wool	460 g/m ²	exposed side
2	merino wool	sound-absorbing core made of natural fiber, 30 mm	400 g/m ²	interior
3	perimeter frame	fire-treated solid pine wood		perimeter frame

Assembly thickness: 33 mm.

 Color

41 colors from the IZZER color chart

 Dimensions and installation

 Custom-made	custom-made for large dimensions (nominal dimensions of the tested specimen: 1220 x 1600 mm)
 Price list formats	squares 305, 400, 610, 800 and 1220 mm · rectangles 1220 x 100, 200, 305, 400, 610 and 1980 mm · truncated rhombus 610, 800 and 1220 mm
 Thickness	33 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	SCS Indoor Advantage™ Gold SCS-IAQ-11186 · VOC emissions according to CDPH v1.2. Covers IZZER. CURRENT UNTIL 31-08-2027
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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

 IZZER 100% virgin merino wool	 33 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.	 41 colors from the IZZER color chart 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 · fabric VOC emissions certificate · 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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