



TECHNICAL DATA SHEET

WH polyethylene · 40 mm

Sound-absorbing panel made of closed-cell polyethylene foam, washable with direct water and stable in high-humidity environments; hanging or mechanically fixed installation.



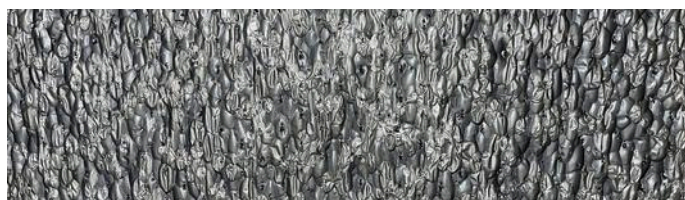
0,60 (M)

weighted absorption
EN ISO 11654



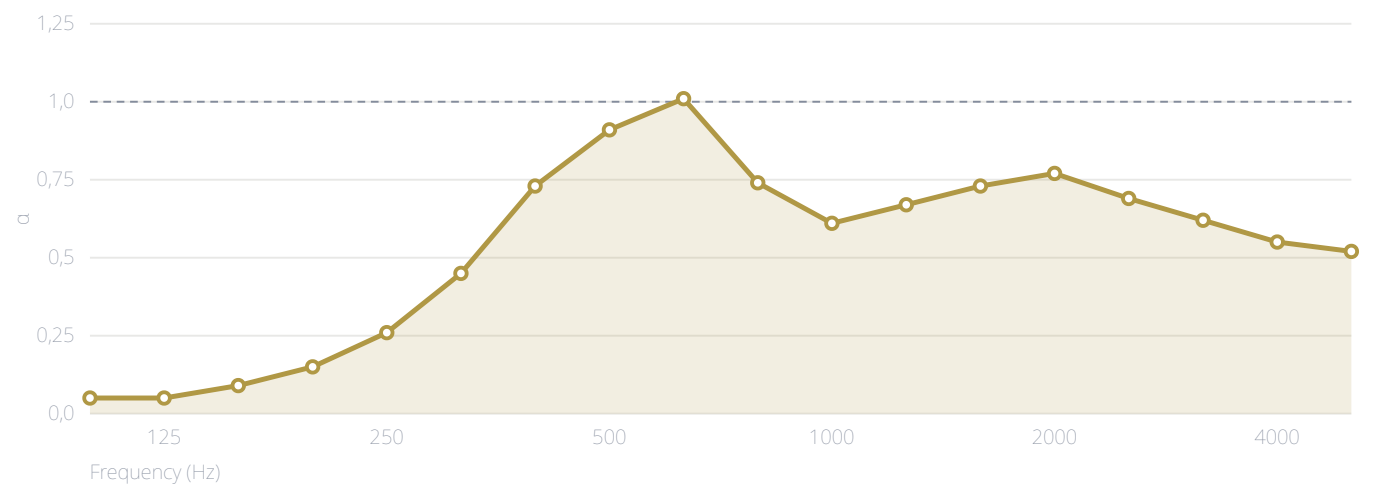
40 mm

of the assembly



~||| Acoustic absorption

Reverberation room test according to UNI EN ISO 354 (αw according to table EN ISO 11654 printed in the report) · Istituto Giordano S.p.A., Laboratorio di Acustica e Vibrazioni (Centro politecnico di ricerche) · report 2011/1496-B (06/07/2011).
Sample of 3.502 x 3,007 m (10,53 m²) in reverberation room; the report describes the panel as «Pannello bianco tipo 40» and titles the curve "ISINAC WH 40mm"



α_w 0,60 (M)

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

NRC 0.65

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	0,05	0,26	0,91	0,61	0,77	0,55

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

Composition, layer by layer

LAYER	MATERIAL	COMPOSITION	POSITION
1	WH	closed cell polyethylene foam	complete panel, without fabric

Assembly thickness: 40 mm.

Dimensions and installation

 Standard format	1220 x 610 x 40 mm
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 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

 What this product adds to building certification

10 WELL documentable credits	4 DGNB documentable credits	4 HQE documentable credits	3 LEED documentable credits	2 BREEAM 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



WH

closed cell polyethylene foam



40 mm thick

Of the assembly.



Made in the European Union

Made in Europe seal.

 Documentation accompanying this product

Everything available to the writing team, upon request and free of charge: accredited laboratory absorption test report · coefficients per band 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
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 — reverberation time	2	absorption coefficients of the material
WELL	S06 — acoustic privacy reinforcement	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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