



TECHNICAL DATA SHEET

PX non-woven fabric · 210 g/m² or 500 g/m²

Non-woven carbon fiber fabric, highly fire-resistant, for reinforcing mineral foam panels, curtains, and continuous ceilings and walls.



0,40 (MH)

weighted absorption
EN ISO 11654



Class

B-s1,d0

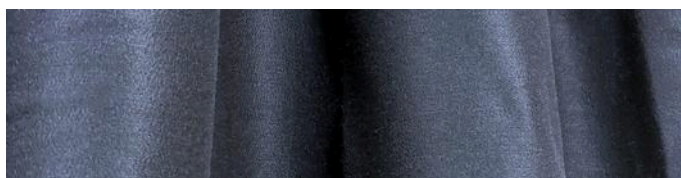
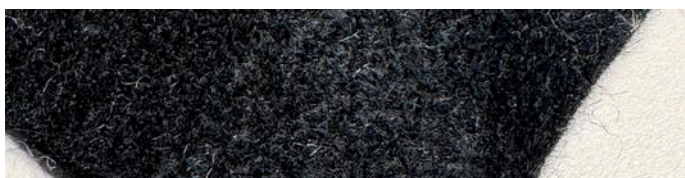
reaction to fire
EN 13501-1:2018 (tests EN ISO 11925-2:2020
and EN 13823:2010+A1:2014)



Thickness

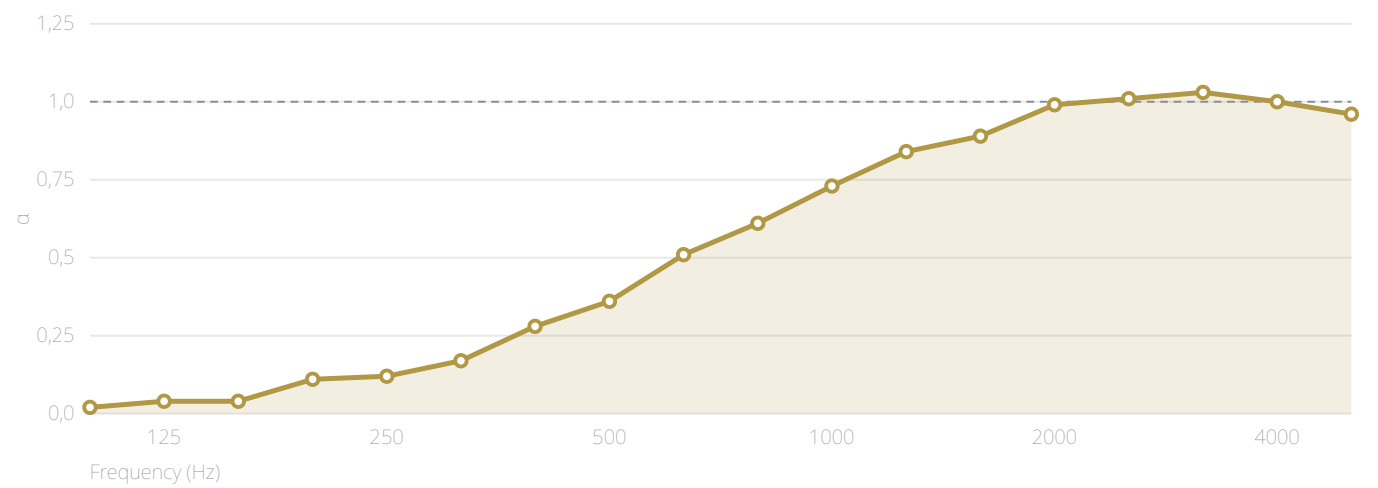
5 mm
(grammage
500 g/m²)

of the assembly



~||| Acoustic absorption

Reverberant room test according to UNE-EN ISO 354:2004 (evaluation UNE-EN ISO 11654:1998) · Acoustics Area, Building Quality Control Laboratory (Basque Government) · report B2018-LACUS-IN-19 (Result No. B2018-19-M530) (28/06/2018). Type A mounting (Annex B of UNE-EN ISO 354): two layers of non-woven carbon-base fabric (5 mm and 500 g/m² each) on the floor of the reverberant room; area 11,84 m²



α_w 0,40 (MH)

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	0,04	0,12	0,36	0,73	0,99	1,0

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

🔥 Reaction to fire

B-s1,d0

EN 13501-1:2018 (tests EN ISO 11925-2:2020 and EN 13823:2010+A1:2014) · AITEX (Alcoy), ref. 21AN0119 (09/02/2021)

FIGRA0,2 97,34 W/s · THR600s 0,80 MJ · SMOGRA 0,00 m²/s² · TSP600s 31,26 m² · no flaming droplets

Classification issued by an independent laboratory on the tested product according to EN 13501-1:2018 (tests EN ISO 11925-2:2020 and EN 13823:2010+A1:2014).

Composition, layer by layer

LAYER	MATERIAL	COMPOSITION	GRAMMAGE / DENSITY	POSITION
1	PX	pre-oxidized carbon stabilized fiber non-woven fabric	210 g/m ² o 500 g/m ²	single-layer, black color

Assembly thickness: 5 mm (density 500 g/m²).

Color

Jet black (standard color)

Dimensions and installation

 Width	165 cm
 Roll length	50 m (210 y 500 g/m ²)
 Grammages	210 g/m ² · 500 g/m ²
 Thickness	5 mm (500 g/m ²)

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

**PX**
pre-oxidized carbon stabilized fiber
non-woven fabric

**5 mm (grammage 500 g/m²)
thick**
Of the assembly.

**Made in the European Union**
Made in Europe seal.

**Jet black (standard color)**
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 · band coefficients in native format for ODEON, EASE, CATT, INSUL, and SONarchitex.



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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