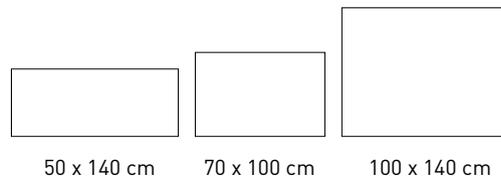


TECHNICAL DATA SHEET

Panel made of ISOLFIBTEC STR (recycled thermo-bonded polyester fibre), calibrated to ensure high sound-absorbing performance in large industrial environments. Unlimited durability, non-toxic, environmentally friendly, does not release dust and does not change its physical characteristics over time.

Size



Colours



Thickness



Thickness Approx. 50 - 80 mm

Fire reaction Euroclasse B-s2,d0

Sound absorption Sound absorption coefficient (thk. 50 mm) UNI EN ISO 10534-1:2001

frequency [Hz]	125	250	500	1000	2000	4000
α_p	0.10	0.25	0.30	0.55	0.90	0.80

$\alpha_w = 0.40$

Sound absorption coefficient (Thk 80 mm) UNI EN ISO 10534-1:2001

frequency [Hz]	125	250	500	1000	2000	4000
α_p	0.05	0.20	0.50	0.80	0.85	0.85

$\alpha_w = 0.45$

Sound absorption coefficient and equivalent sound absorption area (Thk. 50 mm)
UNI EN ISO 354:2003

frequency [Hz]	125	250	500	1000	2000	5000
A_{obj} [m ²]	0.60	1.00	1.50	1.80	2.20	2.30
α_p	0.20	0.35	0.50	0.60	0.70	0.75

Test carried out on non-bonded panels (mounting type J). Values refer to the measurement on the single unit of size 1.0 x 1.4 m = 1.4 m², 50 mm thick.

Format 50 x 140 cm, 70 x 100 cm, 100 x 140 cm
Different shapes are available after feasibility check.

Colours Ice or anthracite

Conditions of use

Isolospace Industry is specially developed in size and thicknesses suitable for the acoustic correction of noisy environments. It is particularly suitable for use in industrial environments, even in situations with a semi-diffuse or non-diffuse acoustic field, where acoustic correction is mainly carried out on the ceiling in baffle mode. The available formats and thicknesses guarantee sound absorption even at lower frequencies. On request, the product is supplied with a pre-assembled steel cable for baffle suspension.

Item specifications

Sound absorbing panel (50 x 140 cm, 70 x 100 cm, 100 x 140 cm), made of polyester technical textile fibre with high sound absorption performance (type Isolospace Industry); panel density 30 kg/m³, thickness 50 or 80 mm, colour anthracite or ice. Sound absorption $\alpha_w = 0.40$ (thickness 50 mm), $\alpha_w = 0.45$ (thickness 80 mm).

Warnings

This data sheet does not constitute a specification and, if it consists of several pages, please ensure that you have consulted the complete document. Although, these instructions are the result of our best expertise they are indicative. The user should establish whether the product is suitable for its intended application. The user will be also in charge of all the responsibility for the use of the product itself.