

ISOVIT PAINEL MD FACHADA

THERMAL AND ACOUSTIC INSULATION PANEL IN BLACK CORK AGGLOMERATE

1. DESCRIPTION

ISOVIT PAINEL MD FACHADA is a compact panel made of black expanded cork agglomerate (ICB – Insulation Cork Board), which provides rot-proof thermal and acoustic insulation, dimensionally stable and unalterable over time, 100% ecological and recyclable, and comes from a renewable raw material, since the extraction of cork bark is part of its life cycle.

Only cork granules are used in its manufacture, which, when subjected to a thermal process, release a resin, suberin, which acts as a natural binder.

ISOVIT PAINEL MD FACHADA is available in thicknesses from 20 mm to 100 mm (other thicknesses on request).

2. FIELD OF USE

The **ISOVIT CORK MD** system is designed for the thermal and acoustic insulation of opaque building façades, improving energy performance, and thermal, acoustic and hygrothermal comfort.

The system can be applied to concrete surfaces (concrete structures and/or elements) and masonry (e.g. ceramic bricks, concrete blocks or aerated concrete blocks), previously coated with regularising plasters with suitable mechanical characteristics, and is never applied directly to bricks or blocks of any kind. The system can be applied directly on wooden, OSB and VIROC surfaces.

The **ISOVIT CORK MD** system is also suitable for use in the thermal and acoustic renovation/restoration of buildings, and can therefore be applied on existing surfaces, such as old masonry, painted plaster and ceramic tiles, among others. In these cases, prior consultation with our technical services is recommended.

ISOVIT PAINEL MD FACHADA is bonded directly to the base using a double bonding technique using **ISOVIT CORKFLEX MD** bonding mortar.

3. PRODUCT FEATURES

Technical Characteristics	Figure	Standard
Length	1000 ± 5 mm (Class L2)	NP EN 822
Width	500 ± 3 mm (Class W2)	NP EN 822
Thickness	(20 to 50 mm) ± 1 mm (Class T1) (55 to 160 mm) ± 2 mm (Class T2)	NP EN 823
Frames	≤ 2 mm	NP EN 824
Flatness	≤ 2 mm	NP EN 825
Apparent density	≤ 140 kg/m ³	NP EN 1602
Coefficient of thermal conductivity	≤ 0.043 W/m.K	EN 12667
Compressive strength (10% deformation)	≥ 180 kPa (Class CS(10)100)	NP EN 826
Absorption of water	≤ 0.3 kg/m ² (WS Class)	NP EN 1609
Reaction to fire	Euroclass E	NP ISO 11925-1

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5. PACKAGING

- 7.5 m² - 20 mm thick
- 5.0 m² - 30 mm thick
- 4.0 m² - 40 mm thick
- 2.5 m² - 50 mm thick
- 2.0 m² - 60 mm thick
- 2.0 m² - 80 mm thick
- 1.5 m² - 90 mm thick
- 1.5 m² - 100 mm thick

Storage

ISOVIT PAINEL MD FACHADA should be stored in a dry place, protected from sunlight and placed horizontally on a perfectly flat surface so as not to cause the panels to warp.

6. HYGIENE AND SAFETY

- Handling this product requires no special care.

Since the conditions of application of our products are out of our control, we cannot be held responsible for their incorrect use. It is the customer's responsibility to verify the suitability of the product for its intended purpose. In any case our liability is limited to the value of the goods provided by us. The information contained in this factsheet may be changed without notice. In case of doubt, and should you require further clarification, we recommend you contact our technical services.

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