

FIBERCORK

Cork panels for thermal and acoustic insulation

Cork panels for thermal and acoustic insulation of buildings, composed by the expansion of the cork granules. Its physical and mechanical features do not change and its dimensions are stable in time. *Fibercork* is eco-friendly and composed by 100% natural and recyclable materials. It is an excellent thermal insulator, and also a highly sound-absorbing and vibration insulator material too. The macro-porous structure of cork allows the highest level of breathability and it can be used in green architecture and refurbishment.

ADVANTAGES

- Easy and quick application;
- Excellent thermal and acoustic insulator;
- Sound-absorbing;
- Breathable;
- Highly elastic;
- Totally natural;
- Eco-friendly;
- Recyclable;
- Excellent tightness and durability in time.

APPLICATION FIELDS

This product is suitable for the thermal and acoustic insulation of:

- cavity walls;
- outdoor walls as insulation from the inside;
- outdoor walls with external insulation;
- flat or pitched roofs;
- sound-proofing of partition walls;
- insulation from vibrations.

Fibercork is a totally natural product and it is suitable wherever are needed eco-friendly materials, either in green building or refurbishment.

YIELD

1 panel 0,5 sqm.

COLOUR

Dark brown.

PACKAGING

Panels: 1000 x 500 mm.

STORAGE

Store the product in well ventilated areas, keep it away from sunlight, water and ice, with temperatures included between +5°C e +35°C.

PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts.
- The support temperature must be between +5°C and +35°C.

APPLICATION

Fibercork Pan is easy and quick to apply, with no special application requirements compared to the other panels.

1. Cut the panels in order to reach the needed size, using traditional saw for wood.
2. Mix the specific glue with the prearranged water quantity using a mixing drill.
3. Apply the specific glue on one side of the panel, realizing a border of about 5 cm and two or three piles on the center of the panel, with a width as big as the palm of a hand. The width of the border and the amount of glue must cover at least 40% of the contact surface of the panel.
4. Install the panels, pushing them to surface in order to ensure the perfect contact.
5. Panels must be installed keeping joints staggered.
6. If there are joints (such as between prefabricated panels) or cracks on the support, there must not be joints between the panels. Board end must be at least 10 cm away from structural joint/cracks.
7. To avoid the possible formation of cracks, the joints between the panels must not be placed in correspondence of the corners of doors, windows or other openings.
8. There can be used residual pieces (with a width of at least 15 cm) distributed on the surface not in correspondence of the outside edges of the building.
9. After having bonded the panels, fix them with specific plugs. Use about 5 plugs each sqm: fix 4 plugs nearby the corners and one in the center (Plugs must be applied along the internal perimeter of each panel. Do not apply plugs between joints of the two panels).
10. Increase the number of plugs on the border areas, up to 12 plugs each sqm.



Thermal and acoustic insulation - Panels

Le indicazioni e le prescrizioni riportate, pur rappresentando la nostra migliore esperienza e conoscenza, sono da ritenersi indicative e dovranno essere confermate da esaurienti applicazioni pratiche. Pertanto, prima di utilizzare il prodotto, l'applicatore deve in ogni caso eseguire delle prove preliminari, atte a verificare la perfetta idoneità ai fini dell'impiego previsto. In caso di incertezze e dubbi contattare l'ufficio tecnico dell'azienda. La presente scheda annulla e sostituisce ogni altra precedente.

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Technical Data

Features		Units
Yield	1 panel = 0,5	sqm
Aspect	Panels	-
Colour	Dark Brown	-
Thickness of application	20 - 100	mm
Density	105 - 130	kg/m ³
Drying time	It does not need to get dry	-
Temperature of application	+5 /+35	°C
Packaging	Panels: 1000 x 500 mm.	cm

Final performances		Units	Regulations	Results
Thermal conductivity	$\lambda = 0,040$	W/mK	UNI EN 12667	-
Fire reaction	Euroclasse E	-	UNI EN 13501-1	-

Thermal Performances

Thickness (mm)	Thermal Resistance R (sqmK/W)
20	0,500
30	0,750
40	1,000
50	1,250
60	1,500
70	1,750
80	2,000
90	2,250
100	2,500

* The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

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Packaging			
Thickness (mm)	Packs p/pal	m ² p/pack	m ³ p/pack
20	16	7,5	0,150
25	16	6	0,150
30	16	5	0,150
40	14	4	0,160
50	16	3	0,150
60	16	2,5	0,150
70	16	2	0,140
80	14	2	0,160
90	16	1,5	0,135
100	16	1,5	0,150

SUGGESTIONS

- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity level higher than 70%.
- It does not require any particular attention while handling.
- Its use is clean without the development of dust.
- Non-toxic and not-allergic product, obtained without adding chemical components and glue.

CLEANING

Wash tools with water.

SAFETY

For the handling, see product safety data sheet.

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