

grigothem
pannelli isolanti

GRIGOWOOD

Wood fiber insulating panel for
thermal and acoustic insulation



Product description

Insulation panel in fiber wood, produced with scarts of conifer wood with CE certificate according to the UNI EN 13171 standard, with a different inner density and male-female edges on all 4 sides.

Supply and Storage

The GRIGOWOOD fiber wood panels are supplied in parcels, on pallets with stretch, packed in transparent plastic, with custom logo Fornaci Calce Grigolin. Store in a cool and dry place, protected from direct sunlight. Keep packaging intact.

Surface Preparation and Application

For the conditions of application, ask for our application booklet.

Fields of use

The GRIGOWOOD fiber wood panel is suitable for thermal and acoustic insulation coatings, both on new buildings and for renovations of existing ones and it is ideal for bio-architectural applications and for wooden constructions.

Specifications

Thermal and acoustic insulation coating from fiber wood panels, type GRIGOWOOD, in compliance with the UNI EN 13171 standard, with CE marking. The panel has a thermal conductivity of 0.044 W/mK, a fire resistance in Euroclass E, a compressive strength > 20 kPa, a resistance to vapor diffusion $\mu < 5$.

1. The insulation panels should be laid onto a profile starting off from ground level, that will serve to align and hold the panels to the surface. For the zoccolatura, it is good practice to use extruded panels or printed expanded polystyrene up to a height of approximately 30 cm., waterproofed with Galileo Grigoflex from Fornaci Calce Grigolin. Make sure that the walls are mechanically resistant, clean and free of dirt, oils or disarming. Check that the underlying coatings have sufficient grip, otherwise remove the degraded and/or brittle areas

through brushing and apply and adhesion promoter on the clean, dry surface like PRG101 from the arteMURI line and wait 24 hours before gluing the insulation panels.

2. The panels will be glued to the false support, perfectly combined in a bubble with a glue like the AC07-AC08 Isolflex/AC16 Uniras/AC20 Unilight from Fornaci Calce Grigolin.

3. After about 24 hours from installation of the panels, proceed to anchoring them by using 6 ETA-certified screws per sqm., type Grigofix NTK U/STR U/NT U/ST U from Fornaci Calce Grigolin.

4. Onto the insulation panels, apply, after at least 72 hours from installation, a layer of skim plaster by using an adhesive like the AC07-AC08 Isolflex/AC16 Uniras/AC18 Rasolight/AC20 Unilight from Fornaci Calce Grigolin. In the skim plaster layer, embed an alkali resistant fiberglass mesh weighing 160 gr./sqm., 4 x 4 mm., overlapped laterally by at least 10 cm. Apply lateral mesh stripes even also the corners of all openings to prevent cracks. The corners will be protected by PVC corners with preassembled mesh of various sizes. The skim plastering should have a final thickness of at least 4 mm. and a curing time of about 14 days.

5. The finishing coat will be composed of a siloxane coating, a first background layer of primer like the PRIMER UNI KO-GM or siloxane background F2 COPRENTE and a siloxane intonachino plaster finish, like the XIL2 INTO, recommended particle size 1.5 mm. or the intonachino plaster finish DUE SI, always from the arteMURI line from Fornaci Calce Grigolin, applied after 24 hours after the primer. Apply the intonachino with a stainless steel spatula finish it with a plastic or sponge float.

Alternatively, use an acrylic coating like the ONE COAT or the PRIMER UNI KO-GM or PRIMER or an intonachino plaster finish like the SIL4 INTO with the PRIMER UNI-KO GM or COPRISIL 4, always from the arteMURI line.

Avoid the use of dark paints with an brightness index $Y < 25$.

Technical data

Size	1300 x 790 mm
Available thickness	60-80-100 mm
Density	190 kg/m ³
Thermal conductivity 10°C ()	0,044 W/mK
Resistance to compression with 10% elastic deformation	≥70 kPa
Permeability to water vapor	$\mu < 5$
Fire resistance	E Euroclass
Specific heat	2100 J/Kg°K
Dimensional stability	Optimal
Decay	Unlimited
Stability to aging	Unlimited

Disclaimers

Do not use the product in contact with heat sources at temperatures higher than +80°C. Any exposure may alter the physical and technical characteristics of the panel.

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare e modificare tecniche di qualsiasi genere senza alcun preavviso.