

TRANSCOL CORK

Cork coating mortar for thermal and acoustic insulation

COLOUR
Beige

PACKING
18kg bag

USE
Exterior/ Interior

**THEORETICAL
CONSUMPTION**
3.7kg/m²/cm

1. PURPOSE

Mortar type CS II, composed of cork, designed for the coating of walls where thermal and acoustic insulation is desired.

It can be applied mechanically or manually, just add the correct amount of water.

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	550 ± 50 Kg /m ³
Volumic mass (paste)	900 ± 50 Kg /m ³
Volumic mass (hardened product)	800 ± 50 Kg /m ³
Open time	20 min
Compressive Strength (28 days)	CS II 1.5 N/mm ² to 5 N/mm ²
Brick Adhesion	≥ 0.5 N/mm ² /FB: B
Adhesion to Concrete	≥ 0.5 N/mm ² /FB: B
Capillarity (28 days)	W _c 1 ≤ 0.40 kg/m ² min ^{0.5}
Water vapour permeability	μ ≤ 20
Thermal conductivity (λ10,dry)	0.05 W/m.°C
Reaction to Fire	Class A1

Results obtained according to EN 998-1 under controlled conditions

3. COMPOSITION

Hydraulic lime, calcium carbonate, cork agglomerates, cement, fibres, inorganic additives, water retainers and admixtures.

4. SUPPORT

It can be applied to ceramic brick supports, cement blocks, concrete, stone masonry walls and partition walls.

The substrate must be clean, free of dust, grease and oils.

Check if the masonry has good adhesion and stability for mortar application, otherwise the surface must be previously treated to correct these factors, using water/sand jetting, surface brushing.

In the case of very degraded substrates, apply Transcol Adere-P to consolidate the surface. Fill the larger cavities with brick or stone and the Transcol Cork product. Do not apply to paints, plaster and other special coatings.

5. PREPARATION

Mix approximately 8 to 8.5 litres of clean water with the contents of the 18kg bag, until a homogeneous mass is obtained, without lumps.

The mixture can be carried out manually, using a concrete mixer or a low-speed kneading machine.

In mechanical application, adjust the water ratio until you have a homogeneous mass, without lumps and with the desired consistency.

Once mixed, the mortar should be applied within the next 20 minutes without adding any more water after kneading.

6. APPLICATION

Wet the substrate properly so that it is not too dry or too wet.

Apply Transcol Cork in a single uniform layer, with a minimum thickness of 40 mm.

The coating must respect the existing joints in the support, such as expansion joints, and is interrupted there. In some cases, it may also be necessary to apply a fiberglass mesh.

After application, the surface should be leveled and tightened appropriately with a ruler.

This mortar needs to be finished, with Transcol Revdecor or Transcol Revtherm in a layer with a thickness of 0.5mm.

Do not apply this product in very humid weather, to avoid the risk of carbonation or efflorescence.

Whenever the executed surfaces are exposed to significant sun exposure or under the action of strong wind, they must be properly protected, during their curing time, up to 28 days, with shade nets.

7. SAFETY

It is recommended to use a dust mask to protect the respirable crystalline silica, goggles and gloves when handling the product. If there is contact with eyes, rinse thoroughly with clean water. Do not ingest. Refer to the Product Safety Data Sheet.

8. USEFUL ADVICE

- ◆ Application temperature from 5°C to 30°C;
- ◆ Excess water in the preparation alters the physical characteristics of the product;
- ◆ Never add any other type of product to the mortar;
- ◆ Never use acid or excess water to clean mortar residues;
- ◆ Do not apply in rain, very humid environment or strong wind;
- ◆ Do not apply on icy surfaces or those at risk of frost within 24 hours of applying the product.

9. STORAGE

Store in a dry and ventilated place, on the pallet and in the original closed and protected packages, for 180 days from the date of manufacture.