

TRANSCOL RESTAURO CAL RC24

Lime-based mortar for rehabilitation of old masonry

COLOR
White

PACKAGING
25kg bag

USE
Exterior/ Interior

COVERAGE
13.8kg/m²/cm

1. PURPOSE

CS II-Wc1 type mortar, water-repellent, based on mixed binders, designed for the rehabilitation and conservation of old buildings. Used in exterior or interior cladding, such as stone, brick/adobe and partition.

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

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	1500 ± 200 Kg /m ³
Volumic mass (paste)	1600 ± 200 Kg /m ³
Open time	30 min
Spreading	150 ± 5 mm
Compressive Strength (28 days)	CS II 1.5 N/mm ² to 5 N/mm ²
Brick Adhesion	≥ 0.5 N/mm ² /FB: A and B
Adhesion to Concrete	≥ 0.5 N/mm ² /FB: A and B
Capillarity (28 days)	Wc1 ≤ 0.40 kg/m ² min ^{0.5}
Water vapour permeability	μ ≤ 15
Reaction to Fire	Class A1

Results obtained according to EN 998-1 under controlled conditions

3. COMPOSITION

Washed siliceous sand, hydraulic lime, calcium carbonate, cement, fibres, inorganic additives, water retainers, water-repellent and admixtures.

4. SUBSTRATE

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

Ensure that the support is with good adhesion and stability, in case of great degradation it should be corrected first with Transcol Restoration Chapisco.

If the substrate is exposed to intense sun, lightly moisten the surface 20 minutes before application.

Do not apply on paints, plaster and some special coatings. It should not be applied on expansion joints or in cracked areas or on different materials with a high probability of expansion.

5. PREPARATION

Mix the contents of the 25Kg bag with approximately 4 to 4.5 litres of clean water until a homogeneous mass is obtained, without lumps.

The mixture can be carried out manually, using a concrete mixer or a spraying machine.

Once mixed, the mortar should be applied within the next 30 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 Restoration Lime RC24 in a single uniform layer, with a minimum thickness of 15 mm and up to a maximum thickness of 30 mm. In thicknesses greater than 30 mm, 10X10 fiberglass mesh should be applied to the first layer while it is still fresh, and after the start of hardening, apply the second layer, up to thicknesses of 30 mm each.

After application, the surface should be regularized and squeezed appropriately with a ruler and scuffle/sand.

It has an approximate curing time of 28 days, depending on atmospheric conditions.

It is advisable to use glass fibre netting between layers of plaster in areas susceptible to expansion.

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.