

TRANSCOL MICRO CONCRETE N30

Dry concrete mortar with compressive strength of 30 N/mm²

COLOUR
Grey

PACKING
25kg bag

USE
Exterior/ Interior

THEORETICAL CONSUMPTION
14 to 16 kg/m²/cm

1. PURPOSE

Dry concrete mortar, suitable for the execution of compression sheets, on exterior and interior vertical walls for structural reinforcements in masonry, stone or mixed. It can be applied mechanically or manually, just add the correct amount of water.

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	1600 ± 200 Kg /m ³
Volumic mass (paste)	1700 ± 200 Kg /m ³
Open time	30 min
Spreading	150 ± 5 mm
A/E Ratio	≤ 0.55
Environmental exposure classes	XC3, XC4, XF1, XF2, XF3, XF4
Compressive Strength (28 days)	C25/30 N/mm ² ≥ 30 N/mm ²
Brick Adhesion	≥ 0.5 N/mm ² /FB: C
Adhesion to Concrete	≥ 0.5 N/mm ² /FB: B
Capillarity (28 days)	W_c^2 ≤ 0.20 kg/m ² min ^{0.5}
Water vapour permeability	μ ≤ 15
Water-soluble chlorides	≤ 0.1 %
Reaction to Fire	Class F

Results obtained according to EN 998-1 and EN 206-1 under controlled conditions

3. COMPOSITION

Hydraulic binders, calcium carbonate, washed siliceous sands, fibers, inorganic additives and admixtures, water retaining additives and resins.

4. SUPPORT

It is suitable for application on exterior and interior walls, such as masonry, stone and adobe. The substrate must be clean, free of dust, grease and oils.

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

5. PREPARATION

Mix the contents of the 25Kg bag with 2.5 to 3.5 litres of clean water, until you get a homogeneous mass, without lumps.

The mixture can be carried out manually, using a concrete mixer or a low-speed kneading machine. In mechanical application, the water ratio must be adjusted until a homogeneous mass is obtained, without lumps and with the desired consistency.

Once mixed, the mortar should be applied before 30 minutes have elapsed, however this value may vary with adverse weather conditions.

Do not apply mortar that has started its setting process.

6. APPLICATION

Apply Transcol Micro Concrete N30 in a single uniform layer, covering the entire wall, with a minimum thickness of 1.5 cm, and a maximum thickness of 10 cm. It must be applied in thicknesses that allow the complete filling of the reinforcements, ensuring their total filling.

After applying Transcol Micro Concrete N30, wait 24 hours before applying the finishing mortar, the most suitable being for example, Transcol RF (Thin Rehabilitate Façades, white or grey), Transcol Revdecor or Transcol Revtherm.

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.