

TRANSCOL REFRACTORY

Refractory technical mortar, resistant to high temperatures

COLOUR
Grey

PACKING
25kg/ Bag
5kg bucket

USE
Exterior/Interior

THEORETICAL CONSUMPTION
17 Kg/m²/cm

1. PURPOSE

Mortar recommended for use in works that require refractory power. Applied in the reclosing of joints, locking bricks or refractory parts and in masonry that is in contact with waters containing acids or sulfates.

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	1700 ± 200 Kg /m ³
Volumic mass (paste)	1900 ± 200 Kg /m ³
Spreading	170 ± 5 mm
Compressive Strength (28 days)	M15 ≥ 15 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)	W _c 2 ≤ 0.20 kg/m ² min ^{0.5}
Water vapour permeability	μ ≤ 15
Maximum operating temperature	950°C
Reaction to Fire	Class A1

Results obtained according to EN 998-2 under controlled conditions

3. COMPOSITION

Washed siliceous sand, cement, inorganic additives, admixtures and water retainers.

4. SUPPORT

Can be used in fireplaces or ovens.

The support must be firm, free of unstable parts, clean, free of dust, grease and oils.

5. PREPARATION

Add to the contents of the bag of 25Kg with approximately 3.75 to 4 litres of clean water, until a homogeneous mass is obtained, without lumps. In the case of the 5Kg bucket, mix approximately 1 liter of clean water.

The mixture can be carried out manually, using a concrete mixer or a kneading machine, at low speeds. Let stand for 2 minutes and knead again before applying.

Once mixed, the mortar should be applied within the next 30 minutes as it dries quickly. You should not add more water after kneading.

6. APPLICATION

Apply the Transcol Refractory manually with a spoon or trowel. Moisten the product within the first 24 hours.

Allow to dry at least 7 days before use.

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.