

## TRANSCOL FLEXIBLE ADHESIVE GREY

*Normal-set cementitious construction glue with reduced slippage and extended open time*

**COLOUR**  
Grey

**PACKING**  
25kg bag

**USE**  
Exterior/ Interior

**THEORETICAL CONSUMPTION**  
5 to 6 kg/m<sup>2</sup>/mm

### 1. PURPOSE

Construction glue, type C2 TE, is a construction adhesive suitable for gluing glazed ceramic with white or red paste, absorbent and non-absorbent, ceramic stoneware, porcelain stoneware and extruded stoneware of medium/high porosity, underfloor heating, on new surfaces and stone material (as long as it is stable to humidity), on interior and exterior walls and floors.

Indoors, it is possible to glue elements with a format up to 45x45 cm in glazed ceramic with white or red paste, absorbent and non-absorbent, porcelain stoneware and porcelain tiles, absorbent stoneware, extruded stoneware and plasterboard.

Outdoors, it is possible to glue elements up to 45x45 cm in extruded stoneware, finned ceramic, glazed ceramic.

### 2. TECHNICAL DATA

Property	Value
<b>Volumic mass (powder)</b>	1400 ± 200 Kg /m <sup>3</sup>
<b>Open time</b>	30 min ≥ 0.5 N/mm <sup>2</sup>
<b>Initial adhesion</b>	≥ 1 N/mm <sup>2</sup>
<b>Adhesion after immersion in water</b>	≥ 1 N/mm <sup>2</sup>
<b>Adhesion after heat action</b>	≥ 1 N/mm <sup>2</sup>
<b>Adhesion after freeze-thaw cycles</b>	≥ 1 N/mm <sup>2</sup>
<b>Mudslide</b>	≤ 0.5 mm
<b>Reaction to Fire</b>	Class E
<b>Ceramics area/tam. of the teeth of the trowel</b>	Consumption
<b>S &lt; 400cm<sup>2</sup></b>	3 Kg/m <sup>2</sup>
<b>400 &lt; S &lt; 900 cm<sup>2</sup></b>	4 to 5 Kg/m <sup>2</sup>

*Results obtained according to EN 12004-1 under controlled conditions*

### 3. COMPOSITION

Washed siliceous sand, grey cement, calcium carbonate, additives, synthetic fibers and acrylic resins.

### 4. SUPPORT

The cement-based supports are plaster, screeds and concrete. On reinforced concrete surfaces, apply an adhesion promoter.

Concrete or masonry supports, wall or floor must be more than 30 days old. Plaster and subfloor mortar with batten or unplanned must be more than 14 days old.

The substrate and the parts to be applied must be clean, free of dust, paint residues, grease and formwork oils.

If the glue is carried out on vertical supports with high absorption, they must be moistened before applying the adhesive cement.

It should be applied to the flat and regular wall, with a surface warping of no more than 2 mm per linear meter, proceeding, if necessary, to its correction.

Do not apply:

- ◆ On red clay ceramic tiles, with or without fins, on wall panels of great development, rehabilitation operations and bonding of ceramic elements of significant dimensional variation, under variations in temperature and humidity;
- ◆ In overlapping collages (ceramic on ceramic);
- ◆ Vertical supports, on the outside, with a height of more than 6 meters.

### 5. PREPARATION

Mix the contents of the 25Kg bag with approximately 7 litres of clean water until a homogeneous mass is obtained, without lumps.

Mixing is preferably carried out mechanically with a low-speed mechanical agitator.

Once mixed, the mortar should rest for 5 minutes before application.

### 6. APPLICATION

Spread the glue well with a comb or notched trowel (6 to 8 mm). The mortar removed by the teeth of the trowel must be remixed with the rest.

Then, place the piece to glue by tightening it with vibratory movements until you obtain a layer with a thickness of approximately 4 mm. Hit lightly with a rubber hammer, without damaging the surface of the ceramic pieces.

Provide joints of at least 2 mm between the pieces, which must be filled with mortar and a joint capable of absorbing the dimensional variations of the pieces. Joint putty can be applied between 24 to 48 hours after gluing.

Whenever greater efficiency or gluing of larger parts is desired, a double glue should be made. This type of bonding is applied to parts with an area greater than 625 cm<sup>2</sup> and in areas of heavy traffic.

Once applied, it has a setting time of 30 minutes.

Clean all excess mortar immediately after laying the ceramic tiles, with a slightly damp sponge, only with clean water.

The pavement can be used by construction personnel carefully in 2 days and by all traffic in 15 days.

## 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.