

# Eurotiles Industrial Corporation

Unit 201 Prestige Tower  
F. Ortigas Jr. Road,  
Ortigas Center, Pasig City  
Philippines 1605

Phone +632-6352310

Fax +632-6352316

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PRODUCT NAME:

**EUROTILES SUPERIOR TILE ADHESIVE**

DESCRIPTION

A thin-bed tile bonding material engineered for fixing ceramic tiles to rendered concrete floors and walls.

FEATURES

Uses fired silica sand, eliminating biodegradable substance often found in sand that may affect the material integrity of the adhesive.

## TECHNICAL DATA

### Material

Material basis: Cement mortar mixture with additives. Does not contain asbestos or other mineral fibers.  
Components : Uniform, stable  
Colour : Grey

Identification according to

- Regulation for Hazardous Goods : Non-hazardous/Non flammable
- Regulation for Hazardous Material : Irritating, contains cement

*For further information refer to paragraph Safety.*

Shelf life : approx. 12 months  
Storage : cool and dry  
Packaging : 25 kg PE lined kraft paper bag

### Application

#### Consumption

Installation of ceramic tiles: approx. 3.0 to 4.0 kg powder/m<sup>2</sup> in 5mm adhesive bed  
Mixing Ratio: approx. 5-6 liters for 25kg bag or 220ml/kg powder

#### Yield

Tile format (Ceramic)	Required notch size	25 kg bag is sufficient for approx.
20 x 20cm to 30 x 30cm	4mm - 6mm	5.25m <sup>2</sup>
From 30 x 30cm and bigger	6mm	5 - 6m <sup>2</sup>

Pull: 12kgf/cm<sup>2</sup>  
Compressive Strength\* 28 days = 2,277 psi  
Thickness of adhesive bed: 1 to 6mm  
Open time\* approx. 20 minutes

Working time\* approx. 4 hours  
Working temperature 10°C to 38°C (substrate temperature)

- Curing times\*
- Open to foot traffic after 24 hours
  - Apply tile grout after 24 hours
  - Fully load-bearing after approx. 7 days

\*Above data serve as reference only and may vary from installation methods and site conditions

\*Specifications are subject to change without proper notification.

## **SUBSTRATE PREPARATION**

### **Minimum age of the substrate**

- Cement screed - 28 days
- Concrete - 6 weeks

The substrate must be solid, clean and load-bearing. Oil stains, bond-inhibiting surfaces and contaminations must be thoroughly removed. The substrate must be flush and plumb according to BS 5385. Irregularities on walls are to be leveled. Concrete floors are to be leveled with the self-smoothing screed leveler if possible. Very absorbent cement based substrates and aerated concrete are to be primed.

## **APPLICATION**

### **Preparation**

Area to be installed/ tiled should be clean, flat, solid (no structural movements), evenly leveled and free from dust, oils, wax, grease or similar substances. Tile layout should consider expansion joints where applicable.

### **Mixing**

1. Pour a predetermined quantity of Eurotiles Superior Tile Adhesive into a clean plastic container.
2. Add water and mix with a suitable stirrer or mixer mounted on an electric drill until a lump-free consistency is achieved. Approximately 220ml of water is required per kilogram of adhesive powder.
3. Let stand for five to ten (3-5) minutes and mix again until smooth paste is achieved free of lumps. Use within two hours.

### **Tiling**

1. Wet the substrate floor or wall slightly before applying the adhesive mixture.
2. Apply a thin bond coat to the substrate with the straight edge of the trowel approximately 3mm thick.
3. Comb the mixture with the notched edge of the trowel working in one direction, if possible. Spread in approximately one square meter area at a time. Only apply as much adhesive mixture as can be covered with tiles within the open time. Check the open time by touching the adhesive bed with your fingertip.
4. Position tiles in the adhesive bed and align with a slightly pushing motion. Adjustments may be made within the open time and tapping the tiles into position.
5. Make sure proper distance is observed between the tiles, abutting walls or posts to prevent tile collisions that may eventually disengage in case of structural movements.

## **GROUTING**

After 24 hours from complete installation of tiles, apply Eurotiles Superior Tile Grout according to the instruction found in the packaging.

## **PLEASE NOTE**

- Do not apply at temperatures above 38°C and under exposure to strong wind and sunlight.
- Stiffened mortar must not be re-tempered.
- Clean tools with water immediately after use; once the product has cured it can only be removed by Mechanical means.

## **SAFETY**

Eurotiles Superior Tile Adhesive contains cement. Cement is irritating to skin. Contact with moisture sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Risk of serious damage to eyes.

Avoid contact with skin and eyes. Wear suitable protective gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water and soap. Keep out of the reach of children. If swallowed, seek medical advice and show container or label. Product is low in chromates. *For further safety information refer to Eurotiles Superior Tile Adhesive Material Safety Data Sheet.*

For technical assistance, please contact:

The Customer Care Head  
Eurotiles Industrial Corporation  
Unit 201 Prestige Tower  
F. Ortigas Jr. Road, Ortigas Center  
Pasig City, Philippines 1605  
Phil Tel. No. (+632) 635 2310  
Mobile No. (+63) 925 785 5232