



## S1-PREMIUM FLEXIBLE TILE ADHESIVE

**EUROTILES S1 PREMIUM FLEXIBLE TILE ADHESIVE** is a premium polymer grade, thick or thin bed, fast setting, cement-based tile adhesive specifically formulated to fix ceramic, granite, slate, natural stone, mosaics, fully vitrified, porcelain, glazed glass ceramics both walls and floors in internal and external applications.

### FEATURES

S1 Premium Flexible Tile Adhesive is ideally used for new concrete floors subject to shrinkage cracks (0.4mm), movement and vibration. It can also be used in fiber cement boards and tile on tile application.

- Extra bonding strength
- Flexible, accommodates shrinkage movement
- Superior water resistance
- Can be laid and can cover old tiles and waterproofing membranes
- Excellent workability

### TECHNICAL DATA

<b>Compressive Strength</b> ASTM C109	28 days = $\geq 2,000$ psi
<b>Bonding Strength</b>	7 days = $> 1.0$ mpa 28 days = $> 1.5$ mpa
<b>Transverse Deformation Standard S1</b> 2.50mm - 5mm	3.40mm
<b>Mixing Ratio</b>	approx. 5-6 liters of water per 25kg
<b>Pot life</b>	7-8 hours
<b>Curing time</b>	24 hours
<b>Open time</b>	approx. 20 minutes

<b>Shelf life</b>	approx. 12 months
<b>Storage</b>	cool, dry place
<b>Packaging</b>	25kg bag

Tile Format	Required notch size	25kg bag is sufficient for approx.
20x20 to 30x30 40x40	4mm - 6mm	5 - 6m <sup>2</sup>
60x60 & up	10 mm	4 - 5m <sup>2</sup>

### HOW TO USE

#### A. Substrate Preparation

Minimum age of the substrate: 28 days for newly built concrete  
7 days for newly rendered surfaces

- All surfaces must be structurally sound, free from movement, dry, clean, free from oil, grease, wax, dust and other contaminants.
- For painted surfaces; It should be scraped to bare at least 80% of the original substrate
- Newly built concrete must be allowed to cure for 28 days
- Newly rendered surfaces must be allowed to cure for at least 7 days
- Old rendered and old concrete surfaces must be thoroughly cleaned prior to tiling.
- Steel trowel finished concrete must be acid-etched or mechanically abraded prior to tiling.
- Expansion joints coinciding with joints in the substrate should be incorporated at the design stage at a maximum of 5 meters spacing and must not be tiled over. Movement joints must not be less than 6mm or greater than 100mm wide.

## B. Mixing

- Mixing ratio: 5-6 liters of clean water: 25kg Eurotiles S1 Premium Flexible Tile Adhesive.
- Slowly pour the Eurotiles S1 Premium Flexible Tile Adhesive to a pail of clean water. Do not pour water into a pail of tile adhesive since it will be difficult to mix and can cause lumps in the mixture.
- Use a hand mixer or mechanical mixer (speed at 500rpm) for mixing until a thick creamy consistency is achieved free of lumps.
- Allow the mixture to stand for 5-10 minutes for chemical slaking and to reduce bubbles.
- Remix the compound before use
- Mixed Eurotiles S1 Premium Flexible Tile Adhesive should be used up within 7-8 hours depending on environment humidity.
- Avoid pouring additional water or powder after mixing, slaking period or when the tile adhesive has set.

## C. Application

- Spread evenly the adhesive onto the back of the tile with the plain/straight side of the trowel.
- When installing tile larger than 30x30 cm and tiles with deep grooves/ridges or uneven back, trowel a double coat of tile adhesive onto the substrate and also spread adhesive at the back of tiles prior to installation of each tile.
- Choices of notched trowel depend on the size of the tile, depth knobs, grooves and ridges on the back of the tiles and evenness of the substrate.
- Avoid spreading more than 1 sqm. of adhesive at one time. Make sure that the adhesive is wet when the tiles are laid and tapped into the position to create positive contact with the adhesive.
- Press tiles firmly into position before the adhesive skins, ensuring all tiles are well-bedded and no voids occur. Adjust or move the tiles against the notched trowel line.

## Grouting

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

## PRECAUTIONS

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

**DISCLAIMER:** Due to different working methods, the manufacturer is not liable for any damages and faulty outcomes arising from incorrect use of this product. Please follow the instructions mentioned above.

**PRODUCT MADE IN THE PHILIPPINES**

## EUROTTILES INDUSTRIAL CORPORATION

Km 39 Emilio Aguinaldo Highway, Biga 2, Silang, Cavite  
Tel. No.: (632) 8635-2310 to 16 Fax No.: (632) 8635-2317

Web: [www.eurotilesconstructionchemicals.com](http://www.eurotilesconstructionchemicals.com) FB: @eurotilesconstchem IG: @eurotilesconstchem YT: Eurotiles Industrial Corporation