



### Tile Adhesive Series

# ULTRA BOND 378

**C2TE S2 CLASS  
HIGH-PERFORMANCE  
TILE ADHESIVE FOR  
ALL TYPES OF TILES AND  
CEMENTITIOUS PANEL**

High-performance cementitious adhesive complying C2TE S2 class of EN 12004 for all types of tiles and cementitious panel across various substrates.

#### Uses

- Suitable for interior and exterior tiling for all kinds of tiles and cement-based panels
- For ceramic, porcelain, homogeneous tiles, marble, granites, and stones
- For adhesion of cementitious panels such as light weight, concrete, HPC and UHPC panels
- Tile on tile

#### Benefits

- Highly flexible cementitious tile adhesive, suitable apply on different types of substrates
- Ultra-high adhesive strength for low water absorption tiles or panel
- Caters to movement
- Extended open time
- Slip resistance

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### TECHNICAL PROPERTIES

Initial Tensile Adhesion Strength	≥ 1.0 N/mm <sup>2</sup>
Tensile Adhesion Strength After Water Immersion	≥ 1.0 N/mm <sup>2</sup>
Tensile Adhesion Strength After Heat Ageing	≥ 1.0 N/mm <sup>2</sup>
Open Time	≥ 30 mins
Slip Resistance	≤ 0.5 mm
Deformability	≥ 5 mm

### PHYSICAL FEATURES

Package	25 kg Powder + 9 l Admixture
Consumption	1.2 kg powder /m <sup>2</sup> /mm
Filler Size	< 1.0 mm
Pot Life	Approx. 2 hours

### RECOMMENDED THICKNESS

Tile Size	Bedding Thickness
≤ 300 mm x 300 mm	3 - 8 mm
≤ 600 mm x 600 mm	6 - 10 mm
> 600 mm x 600 mm	8 - 12 mm

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Ver 1.0



## APPLICATION

### SUBSTRATE PREPARATION

- 1 All surfaces must be structurally sound, clean and free from mould oil, grease, loose particles and contamination of foreign materials

### APPLICATION PROCEDURE

- 1 Mix 1 bag of 25 kg **Ultra Bond 378** with 9.0 litres of admixture using electrical mixer for at least 3 minutes until homogeneous mixture is achieved
- 2 Spread the adhesive using a suitable notched trowel directly onto the substrate with area not more than 1 m<sup>2</sup> to prevent premature drying (skin-over formation)
- 3 Press tile firmly onto adhesive bed with a slight twisting motion to ensure good contact between the tile and adhesive
- 4 Unfavourable weather conditions, such as strong sunlight, wind, temperature, humidity, or highly absorbent substrate can reduce the open time
- 5 Once the adhesive surface dries to the touch, remove it and apply a fresh layer of adhesive. Avoid re-wetting the surface with water, as this can create a weak, non-adhesive film
- 6 Adjust tile alignment within 10 minutes
- 7 Tile Grout **Fine Fill 302** can be applied at least 24 hours after tiling

*For detailed instructions on the procedure, please refer to our Method Statement.*

### CURING

- 1 Natural air curing is sufficient

### STORAGE

Shelf life is 6 months if stored in dry and cool place

### HEALTH & SAFETY

- 1 Wear protective gloves/ protective clothing/ eye protection/face protection.
- 2 In case of contact with eyes or skin, rinse immediately with water and seek medical advice if needed.
- 3 For complete information about the safe use of our product, please refer to the latest version of Safety Data Sheet.

#### Disclaimer:

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