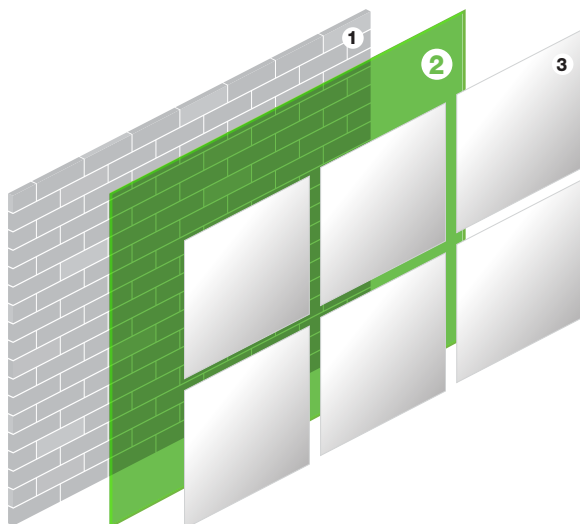




ULTRA BOND 378

Comply to C2TE S2 Class for all kinds of Tiles and Cementitious Panel

SYSTEM DIAGRAM



1. Substrate
2. Ultra Bond 378
3. Tiles or panel

DESCRIPTION

High performance cementitious adhesive complying C2TE S2 class of EN 12004 for all kinds of tiles and cementitious panel on different type substrates

USES

- Exterior and interior tiling for all kinds of tiles and cement based panel
- For fixing ceramic, porcelain, homogeneous tiles as well as granite and marble stone
- For adhesion of cementitious panel such as light weight, concrete, HPC and UHPC panels
- Tiling on metal or wooden substrate
- Tile on tile application

BENEFITS

- Highly flexible for different kinds of substrate
- Ultra high adhesive strength for low water absorption tiles or panel
- Tiling on high stress location
- For wet and dry, exterior and interior environment
- Extended open time
- Slip resistance

COMPLIED STANDARD

- EN 12004 - 1 & 2 : 2017
- MS ISO 13007 - 1 & 2 : 2014

TECHNICAL PROPERTIES

Technical Properties	Value
Initial Adhesive Strength	≥ 2.2 N/mm ²
After Water Immersion	≥ 1.4 N/mm ²
After Heat Ageing	≥ 2.0 N/mm ²
Open Time	≥ 30 mins
Slip Resistance	≤ 0.5mm
Deformability	≥ 5 mm

RECOMMENDATION

- Use 6 mm notched trowel for 5 mm application or by 10 mm notched trowel for 8 mm application
- For tile size larger than 0.15m², 1-2 mm back buttering should be applied
- For exterior tiling condition, it is advised to finish tiling with 20 mins open time
- For hot climate application, not more than 500mL water can be added

STORAGE

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



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PHYSICAL FEATURES

Physical Properties	Feature
Package	25 kg Powder + 10 L Admixture
Consumption	1.2 kg powder/m ² /mm
Binder	Cement, Polymer Emulsion, Green Binder
Filler Size	< 1.0 mm
Application Thickness	3 - 8 mm
Open Time	30 mins
Pot Life	3 hours

APPLICATION

SUBSTRATE PREPARATION

- Substrate should be free from mould oil, grease, loose particles and contamination of foreign materials
- Dampening of concrete or plastered substrate is recommended prior to the application

MATERIAL PREPARATION

- Mix 1 bag of 25kg **Ultra Bond 378** powder with 10 L admixture for at least 3 minutes by electrical mixer until homogeneous
- For hot climate application, not more than 500 mL water can be added
- Apply by 6 mm notched trowel for 5 mm application or by 10 mm notched trowel for 8 mm application on the substrate with area not more than 2 m²
- Apply 1-2 mm back buttering of on the back of tile when the tile size is > 0.15m²
- Press the tile firmly on the notched **Ultra Bond 378** within the recommended open time
- Adjust tile alignment within 10 mins
- Tile Grout **Fill Series** can be applied after 8 hours

CURING

- Natural air curing is sufficient
- Do not move, press or adjust the tile within 6 hours
- Pull-off test is recommended at least after 7 days curing

SAFETY

Wear NIOSH approved facemask during mixing as to avoid inhaling of dust.

May cause irritation to eyes and skin:

1. In case of contact with eyes, rinse immediately with water and seek for medical advice if needed.

HEAD OFFICE:

FACTORY: