TECHNICAL DATA SHEET

F2-288

HIGH PERFORMANCE CEMENTITIOUS TILE ADHESIVE

PRODUCT DESCRIPTION:
Obaproof F2-288 is a high performance, thin layer, cementitious tile adhesive, supplied ready to use with the addition of water, for bonding ceramic tiles, porcelain tiles and mosaics of every type of floors, walls.

USES
Obaproof F2-288, a product used for bonding ceramic tiles in continuous thin layers, up to 10 mm thick. Due to its excellent adhesion, it can be used in situations where traditional tile adhesives for bonding tiles are not suitable due to the type of tile, the substrate or the specific job situation or location.

Obaproof F2-288 is suitable to bond the following types of tile:
- Ceramic, porcelain, homogeneous tiles
- All type of low and high absorption tiles

Obaproof F2-288 can be used on substrates including:
- Concrete and mortar
- Bricks
- Tiled surfaces (walls and floors)
- Large size tiles
- Under floor heating
- Interior painted walls - if the paint coating is well bonded and sound

Obaproof F2-288 can be used on walls and floors, internally or externally.

EN 12004 requirement for C2TE classification
Tensile Adhesion Strength (BS EN 1348:2007)
- Standard Condition : ≥ 1.0 N/mm²
- Heat ageing : ≥ 1.0 N/mm²
- Water Immersion : ≥ 1.0 N/mm²
- Freeze thaw : ≥ 1.0 N/mm²
- Open Time (EN 1346:1997) : ≥ 0.5N/mm² at 30minutes
- Slip Resistance (EN 1308:1999) : ≤ 0.5mm

CHARACTERISTICS / ADVANTAGES
- Easy to use with excellent workability and thixotropic consistency
- Obaproof F2-288 can be applied on a vertical surface without sagging or letting the tiles slip, even when heavy tiles are used
- Very good adhesion to most common substrates (concrete, cementitious mortar, stone, bricks, etc.)
- Very good adhesion to existing tiles
- Easy to use with excellent workability and thixotropic consistency
- Tile on tile of existing flooring with tile refurbishment system

SUBSTRATE TEMPERATURE
+5°C min. / +40°C max.

AMBIENT TEMPERATURE
+5°C min. / +40°C max.

MIXING
~ 6.0 to 6.5 litre of water per 25 kg bag

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CONSUMPTION

This depends on the level, profile and surface roughness of the substrate, the size of the tiles and the technique of placing (simple placing or "back"-buttering).

As a guide, in kilos of powder per m in flat surfaces:

- Mosaics and small tiles : ~ 2.0 - 4.5 kg/m^2
- Normal size tiles (200 x 200) : ~ 4.5 – 9.0 kg/m^2
- Large size tiles and on external floors (600 x 600 & above) : ~ 9.0 – 13.5 kg/m^2

** This may only serve as a guideline. It is highly recommended to run a trial on site to determine the actual coverage.*

SUBSTRATE QUALITY

Ensure all concrete slabs are allowed to cure fully and have a wood float finish. All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling. The maximum variation in the plane of the concrete must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls. Steel trowel finished concrete surfaces must be mechanically abraded prior to commencement of tiling. Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents and any other loose or contaminating materials. Fibre cement sheets when used as an underlay or wall / floor material must be a minimum of 6mm in thickness. For heavy duty commercial applications it should be a minimum of 9mm thick and all should be fixed in accordance with the manufacturer s instructions and the relevant standards. Compressed fibre cement sheets when used as a floor substrate must be 15mm thick, and when used a wall substrate must be 9mm thick and should be installed in accordance with the manufacturer s instructions and the relevant standards. Gypsum plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer s instructions and the relevant standards.

SUBSTRATE PREPARATION / PRIMING

- Weak concrete and/or cement laitance must be removed.
- Repairs to the substrate, filing of blowholes / voids, etc. must be carried out using appropriate products.
- Allow a waiting time of 24 to 48 hours before the tiling works.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and / or vacuum.
- If the substrate is very porous, and/or if the temperature is high and the relative humidity is low, it is advisable to pre-dampen the surface - do not leave any standing water, please contact Obaproof representative for further information on about the recommended primer for the specific substrate.

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EXPANSION JOINTS

Expansion/movement joints must be provided to allow for movement between adjacent building components. They should be as follows:

- In external floors where any dimension exceeds 4.5m
- Around fixed elements in the floor e.g. columns
- In internal floors, where any dimension exceeds 9m or 6m if subjected to sunlight
- On wall surfaces at storey heights horizontally and approximately 3m-4.5m apart vertically
- At internal vertical corners
- Around the perimeter of the floor
- Over existing joints in the substrate
- Where two different substrates meet e.g. timber and concrete

Ideally they should be located over movement joints in the structural background and at structural material changes for example the horizontal joint at the bottom of floor slabs, vertical joints at internal vertical corners, and at junctions with columns. Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 6mm and not wider than 10mm.

- Appearance / Colours : Grey powder / White powder
- Packaging : 25 kg bag
- Storage Conditions / Shelf-Life : 6 months from date of production if stored properly in dry conditions, in undamaged and unopened, original sealed packaging. Not sensitive to frost.
- Chemical Base : Cementitious mortar modified with specialized polymers
- Density : Fresh mortar density: ~ 1.70 kg/l (at +25°C)
- Grading : Dmax: 0.4 mm
- Layer Thickness : 3 mm min. / 10 mm max.

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