

TILE ADHESIVE FLOOR AND WALL THIN-SET MORTAR

PRODUCT DESCRIPTION

Obaproof F1-188 is water resistant cement- based, thin or medium bed adhesive, suitable for fixing ceramic tiles, etc. to wall and floor, dry or wet interior and exterior areas with very good adhesion strength.

USES

Obaproof F1-188 is suitable for bonding ceramic tiles, homogeneous tiles, mosaics, etc. on:

- Both wall and floor;
- Internal and external areas;
- Conventional cement-sand screeds and renders;
- Used with Obaproof Latex 288 for higher bond strength and flexibility.

ADVANTAGES

- Low VOC
- Environmentally Friendly
- Pre-batched and ready for used
- Mixes and applies easily
- Highly workability
- Good adhesion to sound substrates
- Impermeable
- Increased frost and salt resistance
- Resist carbon dioxide penetration
- Non-toxic
- Slightly flexible

LIMITATIONS

Do not use Obaproof F1-188 to:

- Bond tiles on walls subjected to flexing and vibration;
- Bond tiles on metal surfaces;
- Bond moisture sensitive stones.

Product Type	Powder
Pot Life	Approx. 2 hours
Open Time	Approx. 15-20 mins
Adjustability Time	Up to 30 minutes
Tensile Adhesion Strength (MS 1295:1992)	>950N
Shear Adhesion Strength (MS 1295:1992)	>8.9KN
Cure Time	24 hours
Colour	Cement Grey
Shelf life	12 months when unopened
Storage condition	Store in a dry cool place
Application temperature range (0°C)	5 to 45
Service temperature range (0°C)	5 to 50
Packaging	25kg/Bag

IMPORTANT NOTE:

The material must be stored indoor to avoid being exposed to direct sunlight, wind, or rain; and the material shall be kept away from fire or smoke.

obaproofmalaysia@gmail.com



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INSTRUCTION FOR USE

SURFACE PREPARATION

All surfaces must be structurally sound, clean, free from dust, oil and any trace of foreign materials that may affect bonding.

Brick and concrete walls / floors must be allowed to cure for a minimum of 4 weeks before tiling.

Cement renders and screeds must be allowed to be cured for 7 days and finished to a semi-smooth finish with a wood float.

Painted surfaces must be roughened with a wire brush and flaking paint removed. Water based paint are not a suitable surface for ceramic tiles and should be removed.

MIXING

Add 7-8 litres clean water or Obaproof Latex 288 into 25kg of Obaproof F1-188.

COVERAGE

3mm x 3mm notched trowel : Approx. 2.0-3.0kg/m²

6mm x 6mm notched trowel : Approx. 5.0-5.5kg/m²

12mm x 12mm notched trowel : Approx. 10-11kg/m²

APPLICATION

To achieve good adhesive to the substrate, first apply a thin coat of Obaproof F1-188 using the smooth side of the trowel. Then, spread the adhesive mixture to the desired thickness using the toothed side of the trowel. Only spread enough adhesive so that the tiles can be fixed within the open time. Do no spot fix or soak tiles. After spreading the adhesive, press tiles firmly into the adhesive bed and knock the tiles lightly into position. Remove excess adhesive from between the tiles and clean the tile faces with a damp sponge before the adhesive sets.

Tiles with high ribs or lugs, grooves or an uneven back must be buttered flat or covered with a layer adhesive, in addition to the adhesive being trowelled on the substrate so that the voids are filled.

The tiles must be adjusted within 30 minutes after laying and must be protected from rain or strong sun for at least 24 hours.

Tile joints can be grouted usually 6 to 8 hours after laying the tiles.

For more details, please refer to our Technical Department.

CURING

Grouting should not be carried out for at least 24 hours after completion of tiling or until adhesive has set dried sufficiently. Setting may be delayed on dense or impervious surface.

CLEANING

All tools and hands may be cleaned with abundant water before the adhesive sets. After setting, cleaning becomes very difficult but can usually be helped by mechanical means.

SAFETY

As cement is alkaline and may cause irritation, applicators are recommended to wear gloves and goggles when using Obaproof F1-188. In case contact with eyes, flush immediately with clean water and seek medical assistance if symptoms persist.

