



BOB MAST
Backbone of Builders



PRODUCT DATA SHEET

BOB MAST TECHNICAL

Polymer Mineral base cementitious floor and wall Tile Adhesive

BM505 (IS TYPE 1) TILE ADHESIVE

BOB MAST- BM505 is a polymer mineral base cementitious, normal setting, self curing, floor and wall (upto 10ft) tile adhesive. Usually made for small, medium sized ceramic tiles on floor and wall and vitrified tiles upto 4 sqft on floor in internal area for renovation as well as fresh work.

IS 15477 Type 1 Adhesive.

Product Attributes

Uses

Substrates

Concrete Floors: New concrete should be at least 21 days old and if smooth, the surface should be roughened to obtain a good bonding key. Ensure release agents are removed from concrete surfaces, especially on tilt up slabs. Old concrete surfaces must be cleaned thoroughly prior to tiling.

Cement Screeds: Cement screeds should be at least 7 days old. bonding key. Render should be reasonably thick and at least 24 hours old.

Location : Designed especially for dry areas of interior floor installations of all types of ceramic tile vitrified tiles on a variety of cement-based substrates. Can be used up to maximum 10 mm

Advantages

- Single component, simply add water and start using.
- Interior applications, polymer based
- Economical & Easy to use Easy To Use
- Bonds to various substrates Typical bonding substrates: cementitious
- Bonding ceramic tiles on floor and wall
- Bonding vitrified tiles upto 4 sqft on floor
- Typical bonding substrates: cementitious
- Suitable for absorbent ceramic and vitrified tiles
- Better bond than conventional cement based mortar
- Self curing Exceeds IS 15477:2019 – Type 1T Adhesive standards
- IS 15477 Type 1 Adhesive.

bed thickness.

Performance : Residential, commercial and industrial.

For more information on suitable substrates or substrates that are not listed above, please contact a BOB MAST Representative.

Coverage : 20kg will cover approximately 50SQFT using a (6mm x 6mm) square notched trowel for a bed of 3 to 5mm. on a consistently flat surface.

**Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.*

Product Identity

Form	:	Powder
Colour	:	white and grey
Chemical base	:	OPC cement, polymers and selected aggregates
Packaging	:	20 kg bag HDPE BAG

Shelf life 12 months from date of production

Storage conditions Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C.

Product declaration IS 15477 Type 1 Adhesive

Application Properties

Setting Time	:	24 hours
Pot Life	:	1 hour
Adjustability Time	:	10 minutes
Open Time	:	15 minutes

Application properties are dependent on temperature and relative humidity.

Typical Performance

Property	:	Requirement Values
Tensile Adhesion Dry Condition	–	Minimum 0.50 N/mm ² 0.60-0.70 N/mm ²
Shear Adhesion Dry Condition	–	Minimum 1.00 N/mm ² 1.10-1.20 N/mm ²

The Adhesive mortar conforms to IS 15477: 2019 – Type 1T Adhesive

Installation

Surface Preparation Remove any dust, oil, grease and all loose contaminating materials. Ensure surface is dry before tiling with no residue or permanent damp. Surface must be consistently level or flat, and firmly fixed.

Water Ratio 1 bag to 5 litres of water.

Mixing Add powder to water and mix to a thick, smooth consistency. Allow to stand for approximately 5 minutes. Stir the mix again and

the adhesive is ready to use. Under no circumstances should more water be added to the mixture once the product has exceeded its pot life.

Application Ensure the back of the tile is free from dust. Use a 10 x 10 x 10mm notched trowel for floors.

Do not spread more than 1 metre of adhesive at a time to ensure the adhesive does not skin prior to

bedding the tiles. Press and slide the tile at right angles ensuring the tiles are well bedded and there are no voids under the tiles. Make sure the newly tiled surface is not disturbed for a minimum of 24 hours. Allow to dry before grouting with BOB MAST EPOXY GROUT (see Related Products).

Drying Time Approximately 24 hours depending on surface porosity and ambient temperature.

Cleaning Clean any excess adhesive from tiles, tools and hands with water while material is still wet.

Attention

Do not use for tiling directly over timber floors or where movement is anticipated. Contact BOB

MAST for further advice and alternative suitable products.

Always mix the product mechanically, and allow the product to stand for 5 minutes. Re-mix and the product is ready for use.

Do not apply in temperatures above 45 degrees Celsius.

High temperature working – always spread smaller amounts of adhesive to avoid the adhesive skinning prior to bedding the tiles.

Safety Precautions All cement-based products are alkaline and can cause irritation. Although this product is not considered hazardous, a dust mask should be worn when handling the material. Contact with the eyes and repeated and prolonged skin contact should be avoided.

