

Tile Adhesive

Areas of Application:

BOTAMENT® M 16 is used for installing floor and wall tiles made of ceramic, stoneware, klinker and terracotta.

It is designed for general tile fixing applications with a bedding thickness of 3 - 8 mm in areas such as showers, toilets, kitchens, etc.

Properties:

BOTAMENT® M 16 is a cementitious polymer-modified tile adhesive with good pull-off strength and workability.

Suitable Substrates:

BOTAMENT® M 16 adheres to almost all kinds of mineral substrates such as concrete, screeds, render, brickwork, plaster boards, light-weight blocks, etc.

Substrate Requirement:

The substrate must be clean, solid, stable, free of any loose particles like dust and free of grease, oil, paint, cement lime, tar, bitumen or release agent which might affect the adhesion.

Substrate Preparation:

For all absorbent substrates (cement render, screed, brickwork, gypsum, anhydrite screeds, etc.) the usage of primer BOTAMENT® D 11 is recommended to achieve best adhesion. The primer reduces the absorbency and reinforces the substrate.

Mixing:

For one 25 kg bag of BOTAMENT® M 16 approx. 6.0 - 6.5 litres of clean water is required.

The usage of BOTAMENT® Latex is recommended for extended performance. BOTAMENT® Latex enhances the physical properties of the tile adhesive such as higher flexural strength, lower water absorption and improved adhesion for demanding application conditions. Add BOTAMENT® Latex to clean water in the ratio of 1:1 and mix properly until a uniform liquid solution is achieved.

Gradually add the powder to the liquid while mixing to achieve a lump-free mix. Use a slow speed drill mixer (400 – 500 rpm) and mix for a minimum of 3 minutes to produce a homogeneous consistency. After a maturity time of 5 minutes mix the material again for 1 minute to attain long workability. Material which is already setting must not be mixed again or diluted as this will affect the final properties.

Application:

The processing time is approx. 60 minutes. Apply a thin contact layer onto the substrate with the flat side of a trowel. Right after this use the notched side of the trowel to spread the right amount of adhesive evenly.

For bigger sized tiles use a trowel with bigger notches (min. 8 mm) to ensure sufficient amount and even distribution of adhesive underneath the tile.

The buttering-floating method (combined application of adhesive onto the tiles as well as onto the substrate) to create a cavity-free adhesive layer is recommended for external areas as well as for floor areas.

After spreading the adhesive the tiles should be placed immediately. Within 10 minutes the tile can be moved slightly to its final position.

BOTAMENT® M 16

- C1 T according to EN 12004
- good adhesion
- good workability
- for interior and exterior use
- for almost every kind of tiles

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MC Bauchemie (Malaysia) Sdn Bhd
Lot S113, 2nd Floor, Centrepoint, No.3, Lebuhr Bandar Utama,
Bandar Utama, 47800 Petaling Jaya, Selangor, Malaysia.
Phone: +603 7728 1233
Fax: +603 7728 6833
enquiry@mc-bauchemie.com.my

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M 16

Material base:

Cementitious composite with mineral aggregates and dry powder dispersants

Colour:

Grey

Solvents:

None

Mixing ratio:

25 kg BOTAMENT® M 16 : 6.0 - 6.5 lit water
(or ~ 3.1 lit clean water + ~ 3.1 lit BOTAMENT® Latex for extended performance)

Wet Density:

~1.6 kg/lit

Processing time:

~ 60 minutes at 25°C

Placing of tiles:

within 10 mins after spreading adhesive

Foot-trafficable after:

24 hours

Grouting of joints after:

24 hours

Full mechanical load after:

7 days

Consumption:

6mm notched trowel : ~ 3.6 kg/m²
8mm notched trowel : ~ 4.8 kg/m²
10mm notched trowel : ~ 6.0 kg/m²

Maximum layer thickness:

8 mm in one layer

Pull-off strength:

> 0.5 N/mm² (28 days)
according to EN 1348

Vertical Slip according to EN 1308:

< 0.5 mm

Application conditions:

+8°C to +30°C, max. 80% r.h.

Cleaning:

With water while material is still wet, hardened material can only be mechanically removed

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General Remarks:

Protect BOTAMENT® M 16 against moisture until the material is completely dry.

Avoid heavy mechanical stress during curing as this will affect the final bonding strength.

The datasheet of products used in conjunction with BOTAMENT® M 16 must be followed.

All technical data stated in this datasheet are based on test under laboratory conditions. Actually achieved data may vary due to ambient and site conditions.

The Material Safety Data Sheet is available on request.

BOTAMENT® M 16 was formerly known as Master Cerabond 300 GP.

Setting time:

Tiles installed with BOTAMENT® M 16 can be walked on after approx. 24 hours. The grouting of the tile joints can be completed after approx. 24 hours.

The drying times are approximate and will be affected by ambient conditions. High temperature and low humidity quicken the drying process whereas low temperature and high humidity retards the drying process.

Consumption:

The consumption varies with the application method as well as with the particular kind of notched trowel.

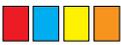
Packaging:

25 kg paper bag

Storage:

Keep cool and dry.

Shelf life is **9 months** if kept in original, unopened and undamaged sealed bags.

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