



BE SURE. BUILD SURE.

M 16 (Previously known as Botament M 16)

Tile Adhesive

Product Properties

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

Area of Application

- 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.

Application

Properties:

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

Suitable Substrates:

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 D 11 is recommended to achieve best adhesion. The primer reduces the absorbency and reinforces the substrate.

Mixing:

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

The usage of MC Latex is recommended for extended performance MC 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 MC 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.

Cleaning

With water while material is still wet. Hardened material can only be mechanically removed.

Mineral Base

Cementitious composite with mineral aggregates and dry powder dispersants.

General Remarks:

Protect 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 M 16 must be followed.



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Application

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.

Setting time:

Tiles installed with 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.

Technical Data for M 16

Characteristic	Unit	Value	Comments
Colour			Grey
Solvent			None
Mixing Ratio	liter	6.0 - 6.5 : 25kg 3.1 + ~ 3.1	Water Water + MC Latex
Weight Density	kg/lit	~1.6	
Processing Time	minutes	~60	at 25°C
Placing of Tiles	minutes	10	Within after spreading adhesive
Foot-trafficable after	hours	24	
Grouting of joints after	hours	24	
Full mechanical load after	days	7	
Consumption	mm: kg/m ²	6 : 3.6 8: 4.8 10: 6.0	Notched trowel
Maximum layer thickness	mm	8	In one layer
Pull of Strength	N/mm ²	>0.5	28 days according to EN 1348
Vertical Slip	mm	<0.5	according to EN 1308
Application conditions	+°C	8-30	max. 80% r.h.

Product Characteristics for M 16

Packaging	25 kg bag
Storage	Keep cold and dry.
Shelf Life	9 months if kept in original, unopened and undamaged sealed bags.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 02/22. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.