



BE SURE. BUILD SURE.

M 31 (Previously known as Botament M 31)

Wide Joint Grout

Product Properties

- joint width 5 - 15 mm
- no additional latex additive required
- polymer-modified
- water repellent
- reduces efflorescence
- ideal finishing point for terracotta
- excellent adhesion
- excellent workability
- for interior and exterior use
- for almost every kind of tiles

Area of Application

- M 31 is used for grouting wide tile joints at interior and exterior floor and wall areas. M 31 is suitable for almost every kind of tiles made of ceramic, terracotta, Lampung, tiles, stoneware, klinker, etc. It is also suitable for grouting joints of many kinds of natural stones.

Application

Application:

The processing time is approx. 45 mins.

M 31 is applied with a rubber trowel or rubber squeegee by pressing the material firmly into the tile joints. Make sure the entire joints are filled completely. Immediately remove remaining material from the tile surface by using the same tool with a diagonal motion. Wait for a certain time until the material in the joints starts to set. Use the thumb to compress the joint grout. When M 31 started to harden and only little residue remains on the thumb start shaping the joint surface. Use a sponge and moisten it with very little water. In circular motions shape the joint by distributing the grout evenly over the entire surface.

Wait for a certain time until the material in the joints starts to set again. Use the thumb to compress the joint grout. Use a sponge and moisten it with very little water. Remove the grout residue in a diagonal motion. Clean the sponge regularly with clean water. After joint grout is hardened clean the remaining cement haze with a dry cloth or slightly moist sponge. The use of acidic cleaning agents should be avoided as this can harm the joint grout.

Wetting the material with clean water the days following the application supports the hydration process and will result into higher strength.

Avoid application under direct sunlight and strong wind.

Properties:

M 31 is a high performance cementitious polymer-modified joint grout. It contains dry polymers in powder form which makes the usage of additional latex unnecessary.

The special formulation with hydrophobic additives provides a high level of water repellency, reduces efflorescence and makes the joint grout less prone to dirt stains. Its constituents allow applications in tile joints of a width from 5 - 15 mm. For narrow tile joints use M 32 which is appropriate for widths up to 5 mm.

The product achieves a very consistent colour which upgrades the entire appearance of the installed tiles. M 31 is the ideal finishing point for terracotta as well as Lampung tiles as it perfectly matches the terracotta's and Lampung's colour and surface texture.

Suitable Substrates:

M 31 adheres to almost all kinds of mineral substrates such as concrete, screeds, render, brickwork, plaster boards, light-weight blocks, etc. which have received tile finishing.

Substrate requirement:

The substrate and tile joints must be clean, solid, stable, free of any loose particles like dust and free of grease, oil, paint, cement lime or other materials which might affect the adhesion. The tile adhesive must have sufficient strength and must be dry. The tile shoulders should be equally absorbent to avoid discolouration.

Substrate Preparation:

The tile joints must be cleaned from dust and any residue of tile adhesive. Absorbent materials should be pre-wetted prior to application but standing water is to avoid.



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Application

General Remarks:

We advise to do a mockup with sensitive tile material and stones. Protect M 31 against moisture until the material is completely dry.

Avoid heavy mechanical stress during curing as this will affect the final properties and can cause cracks. The datasheet of products used in conjunction with M 31 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.

Setting time:

M 31 can be walked on after approx. 12 hours and fully loaded after approx. 4 days.

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 type of tiles used as well as the particular joint width at application.

Approximation (no wastage included):

Tile 200 x 200 x 8 mm
5 mm joint width: ~ 0.7 kg/m²

Tile 300 x 300 x 8 mm
8 mm joint width: ~ 0.7 kg/m²

Tile 450 x 450 x 12 mm
10 mm joint width: ~ 0.9 kg/m²

Tile 600 x 600 x 12 mm
6 mm joint width: ~ 0.4 kg/m²

Material base:

Cementitious composite with mineral aggregates and dry powder dispersants.

Cleaning

With water while material is wet. SR 100 when material is dried

Technical Data for M 31

Characteristic	Unit	Value	Comments
Colour			Grey, Ivory
Low Chromate Content			Yes
Mixing Ratio	liter	~ 6.3 - 6.5 : 25kg	Water
pH-Value		11	
Joint Width	mm	5-15	
Foot-trafficable after	hours	12	
Full load after	days	4	
Wet Density	kg/lit	~1.6	
Processing Time	minutes	~45	At 25 °C
Vertical Slip	mm	<0.5	according to BS EN 12004-2
Application conditions	+°C	8-30	

Product Characteristics for M 31

Packaging	25 kg bag
Storage	Keep cold and dry.
Shelf Life	12 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.