

# Eco-friendly Performance Adhesive

## Areas of Application:

BOTAMENT® M 18 Green is used for installing floor and wall tiles made of ceramic, stoneware, klinker and terracotta. Its outstanding properties also allow the floor installation of big sized tiles.

It is designed for heavier stressed areas such as balconies, terraces, kitchens in hotels and hospitals, laboratories, showrooms, automotive service centres, etc.

## Properties:

BOTAMENT® M 18 Green is a cementitious yet slightly flexible adhesive with high pull-off strength and excellent workability. The material already contains dry polymers in powder form which makes the usage of additional latex unnecessary.

BOTAMENT® M 18 Green is certified as C2 TE adhesive according to EN 12004.

## Suitable Substrates:

BOTAMENT® M 18 Green 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. Crack-lines need to be filled with epoxy BOTACEM® A 60.

## Substrate Preparation:

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

## Mixing:

Mix BOTAMENT® M 18 Green with clean, fresh water only. For one 25 kg bag approx. 6.3 - 6.8 litres of water is required. Add gradually the powder to the water 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 30 minutes the tile can be moved slightly to its final position.

# BOTAMENT® M 18 GREEN

- C2 TE according to EN 12004
- no latex additive required
- excellent adhesion
- excellent workability
- no vertical slip
- flexible
- for interior and exterior use
- for balconies and terraces
- for almost every kind of tiles



**BOTAMENT®**   
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# BOTAMENT® M 18 GREEN

**Material base:**

Cementitious composite with GGBS, mineral aggregates and dry powder dispersants

**Colour:**

Grey

**Solvents:**

None

**Low chromate content:**

Yes

**pH-Value:**

11

**Mixing ratio:**

25 kg BOTAMENT® M 18 Green :  
~ 6.3 - 6.8 lit of water

**Wet Density:**

~1.45 kg/litre (fresh)  
~ 1.2 kg/litre (dry)

**Processing time:**

~ 60 mins at 25°C

**Placing of tiles:**

within 30 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/m<sup>2</sup>  
8mm notched trowel : ~ 4.8 kg/m<sup>2</sup>  
10mm notched trowel : ~ 6.0 kg/m<sup>2</sup>

**Maximum layer thickness:**

8 mm in one layer

**Pull-off strength according to EN 1348:**

28 days : ~ 1.2 N/mm<sup>2</sup>

**Vertical Slip according to EN 1308:**

0.1 mm

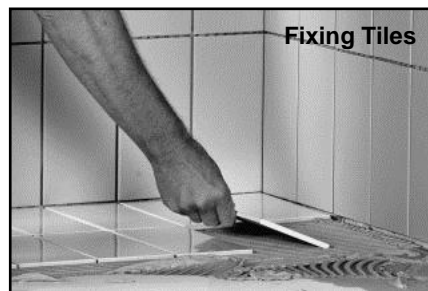
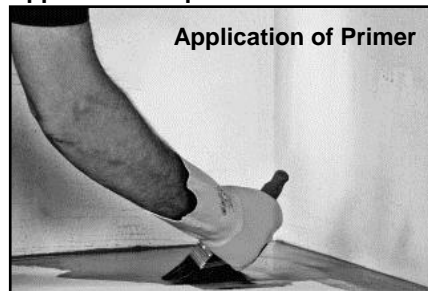
**Application conditions:**

+8°C to +30°C, max. 80% r.h.

**Cleaning:**

With water while material is still wet, BOTON® SR 100 when material has dried

## Eco-friendly Performance Adhesive

**Application Sequence:****General Remarks:**

Protect BOTAMENT® M 18 Green 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 18 Green 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:**

Tiles installed with BOTAMENT® M 18 Green 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 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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