

# BOTAMENT® MD 1 SPEED

## Flexible Sealing Slurry 1c

BOTAMENT® MD 1 SPEED is a composite sealant used under tiles, both in interior and exterior areas. The product is suitable for the application in wet areas as well as on balconies and terraces.

### Properties

- ❖ Highly elastic
- ❖ Highly crack-bridging
- ❖ Tiling is possible already after ~ 4 hours
- ❖ Open to vapour diffusion
- ❖ Can be brushed and trowelled
- ❖ Excellent application properties

### Application Areas

Sealing of

- ❖ concrete, lightweight concrete, and porous concrete
- ❖ joint full brickwork
- ❖ cement screeds and calcium sulphate screeds
- ❖ plasters of the mortar categories CS II, CS III and CS IV in accordance with EN 998 (compressive strength  $\geq 2.5$  N/mm<sup>2</sup>)
- ❖ BOTAMENT® BP building boards
- ❖ fibre cement boards
- ❖ gypsum plaster boards
- ❖ gypsum walls
- ❖ mastic asphalt screeds (IC 10)

### Substrate preparation

The substrate must be in the following condition:

- ❖ dry, clean and frost-free
- ❖ stable
- ❖ free from grease, paint, cement laitance, separating agents and loose particles

### Please also note:

- ❖ existing cracks must be closed professionally
- ❖ level irregular substrates
- ❖ absorbent substrates must be primed with BOTAMENT D 11
- ❖ apply a bonding course on existing tile coverings (scratch coat made of BOTAMENT® MD 1 SPEED)

### technical data

|   |   |
|---|---|
| material basis  | Special cement and plastic combination                                      |
| colour  | grey  |
| packaging   | 20 kg bag   |
| storage   | cool, dry and frost-free at least 9 months in its original sealed container |
| density   | 1.25 kg/dm <sup>3</sup>   |
| temperature resistance  | - 20 °C up to + 70 °C   |
| optimal water-solid ratio   | ~ 25 %  |
| mixing ratio  | ~ 5.0 l / 20 kg   |
| maturing time   | ~ 2 minutes   |
| working time  | ~ 30 minutes  |
| <b>consumption (powder)</b>                                       |   |
| per mm dry layer thickness  | ~ 1.2 kg/m <sup>2</sup>   |
| for manufacturing the necessary dry layer thickness of 2.0 mm     | ~ 2.4 kg/m <sup>2</sup>   |
| time interval between individual layers                           | $\geq 4$ hours  |
| time interval between last layer application and fitting of tiles | $\geq 4$ hours after drying completely                                      |
| application and substrate temperature                             | + 5 °C to + 30 °C   |
| <b>cleaning agent</b>   |   |
| when fresh  | water   |
| when fully cured  | mechanical  |

All times stated refer to the standard atmosphere of + 23 °C and 50 % relative humidity. Higher temperatures and lower humidity accelerate, while lower temperatures and higher humidity delay processing time and curing.

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### Application

- ❖ mix up using cold, clean water while stirring with a slow rotating agitator until a homogenous mass has formed
- ❖ briefly stir again after the maturing time

Sealings made of BOTAMENT<sup>®</sup> MD 1 SPEED should be done applying at least two layers by using a brush or a spattle. Before the application of the first layer apply a scratch coat to the substrate.

The total dry layer thickness of the sealing must reach at least 2.0 mm (correlating with a wet layer thickness of 2.4mm). The maximum dry layer thickness must not exceed 4.0 mm.

The subsequent tile fitting can be performed using BOTAMENT<sup>®</sup> M 21 Classic, BOTAMENT<sup>®</sup> M 24, MULTISTAR<sup>®</sup>, MULTISTONE<sup>®</sup> or BOTAMENT<sup>®</sup> M 29 HP.

Joints, internal and external corners as well as penetrations are covered by including BOTAMENT<sup>®</sup> SB 78 System Sealing Tape and accessories in the first layer of the sealant material and worked over with the second layer.

### Important tips

During the hardening process BOTAMENT<sup>®</sup> MD 1 SPEED has to be protected from moisture, draughts, solar radiation as well as from strong temperature fluctuations. While curing the relative humidity must not exceed 80 %.

BOTAMENT<sup>®</sup> MD 1 SPEED must not be exposed to mechanical loads.

Avoid moisture on the rear-side. BOTAMENT<sup>®</sup> MD 1 SPEED is not suitable for sealings against negative water pressure.

You can view or download the safety datasheet at [www.botament.com](http://www.botament.com).

To achieve optimal results we recommend conducting a site-specific test sample prior to using.

**Important Notice:** The information provided here is based on our experience and is given to the best of our knowledge, but is non-binding. All instructions must be adapted to suit the individual building projects, the application purpose and the specific local conditions. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In any case, the generally accepted technical rules must be adhered to. Edition GB-1403. Further technical details can be found in our technical data sheets on our website: [www.botament.com](http://www.botament.com).  
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