

# BOTAMENT<sup>®</sup> M 56 Speed<sup>FM</sup>

## Rapid Screed Ready-to-use Mortar

BOTAMENT<sup>®</sup> M 56 Speed<sup>FM</sup> is a rapidly setting ready-to-use mortar on cement basis to produce composite screeds, screeds on separation layers and floating screeds.

### Properties

- ❖ Ready to receive covering after 4 hours
- ❖ Ideal for time-critical construction sites
- ❖ Strongly hydrophobic (high protection against moisture penetration from the rear)
- ❖ For interior and exterior use
- ❖ On the basis of high-quality CEM I-cement
- ❖ Shrinkage and stress-minimized curing
- ❖ Can be pumped

### Application areas

- ❖ to produce the following types of cement screeds quickly ready to be covered:
  - screeds on separating layers
  - composite screeds
  - screeds on insulation layers
  - heated screeds
- ❖ for use in wetrooms
- ❖ to repair and restore existing cement screeds
- ❖ to repair cement-based substrates prior to installation
- ❖ to set floor anchorings and fence posts

### Substrate preparation

The substrate must be in the following condition:

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

### Composite screed

- ❖ mix up bonding course with BOTAMENT<sup>®</sup> D 10 screed admixture and water (at a ratio of 1:1)
- ❖ apply bonding course to the pre-wetted substrate by adding BOTAMENT<sup>®</sup> M 56 Speed<sup>FM</sup> and brush in thoroughly

The installation of the screed is performed fresh on fresh onto the moist bonding course.

### Screed on separation layer

When installing screed onto a suitable separation layer no bonding course is required.

### Technical data

material basis	rapid cement, additives, mineral fillers
classification in accordance with DIN EN 13813	CT-C35-F5
classification of reaction to fire in accordance with EN 13501-1	A1 <sub>fl</sub>
colour	grey
packaging	25 kg bag
pallet delivery	40 x 25 kg
storage	frost-free, cool and dry at least 9 months in its original sealed container
fresh mortar gross density	~ 2,1 kg/ dm <sup>3</sup>
mixing ratio	~ 2,0 l water/25 kg
working time	~ 60 minutes
layer thickness	10 to 80 mm
walkable	after ~ 2- 3 hours
application and substrate temperature	+ 5 °C to + 25 °C
consumption	~ 20 kg/ m <sup>2</sup> / cm
compressive strength	
after 24 hours:	> 18 N/ mm <sup>2</sup>
after 7 days:	> 28 N/ mm <sup>2</sup>
after 28 days:	> 35 N/ mm <sup>2</sup>
bending tensile strength	
after 24 hours:	> 3 N/ mm <sup>2</sup>
after 7 days:	> 5 N/ mm <sup>2</sup>
after 28 days:	> 6 N/ mm <sup>2</sup>
<b>cleaning agent</b>	
when fresh	water
when fully cured	by mechanical means

All times stated refer to the standard atmosphere of + 23 °C and 50 % relative humidity for a screed thickness of 4 cm. Larger layer thicknesses increase the times specified. Higher temperatures accelerate, while lower temperatures delay processing time and curing.

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### Application

For the mixing of the screed mortar standard screed mixers or mixing and feed pumps are used. In the event of the working process being interrupted mixer, pumps and pipes must be thoroughly cleaned immediately.

### Ready to be covered

Screeds made with BOTAMENT<sup>®</sup> M 56 Speed<sup>FM</sup> are ready to be covered after the following time intervals between installation and tiling or after the following maximal residual moisture contents (CM-measurement) have been reached:

type of covering	unheated screed
ceramic tiles and natural stones	≥ 4 hours
elastic and textile coverings	≤ 2.00 %
wood flooring, laminate flooring and wood block	≤ 2.00 %
	<b>heated screed</b>
ceramic tiles and natural stones	≤ 2.00 %
elastic and textile coverings	≤ 1.80 %
wood flooring, laminate flooring and wood block	≤ 1.80 %

All specifications apply for composite screeds, screeds on separation layers and floating screeds.

### Important Tips

When installing screeds all existing standards and guidelines in their current versions must be observed.

When used in interior areas BOTAMENT<sup>®</sup> M 56 Speed<sup>FM</sup> must be protected from draughts while curing. Heated screeds should not be heated earlier than 3 days after installation. This ought to be done not exceeding an initial flow temperature of 25 °C. This must be maintained for 3 days. Thereafter the heating system has to be operated with the maximum flow temperature for a period of 4 days.

Prior to fitting tiles or other coverings a moisture content measurement (CM-measurement) must be taken to check the residual moisture content. The maximal permissible residual moisture for the respective flooring coverings must be observed.

M 56 Speed<sup>FM</sup> is highly hydrophobic. However, this is still no substitute for a waterproofing above or below the screed construction.

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

**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-1302. 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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