

BOTAMENT® M 200

Multi-mortar



BOTAMENT® M 200 Multi-mortar is one-component, hydraulically hardening mortar with a wide range of application options. Amongst others it is suitable for the levelling of substrates in interior and exterior areas, for the closing of gaps in walls and floors, for the application of tiles and slabs and for the bonding of blocks and bricks.

Properties

- ❖ For layer thicknesses of 2 up to 30 mm
- ❖ Excellent stableness and high adhesion power
- ❖ Tested according to EN 12004: C1 T
- ❖ Can be extended with sand up to 50 mm
- ❖ Early load capacity
- ❖ Highly resistant against chlorine as plaster in underwater areas
- ❖ Low-stress curing
- ❖ Multi-functional application

Application areas

- ❖ levelling, trowelling and plastering of uneven areas on walls and floors
- ❖ filling of gaps, defects and holes
- ❖ application of tiles and slabs
- ❖ for partition walls and bonding of blocks and bricks
- ❖ manufacturing of sanitary partition walls such as in front of washbasins, bathtubs, shower trays and built-in flushing tanks
- ❖ as plaster in chlorinated underwater areas
- ❖ constructing of composite screeds and slope screeds onto small areas
- ❖ bonding of mineral building boards, gypsum plaster boards and cement fibreboards

Suitable substrates

- ❖ concrete and lightweight concrete
- ❖ brickwork
- ❖ cement screeds
- ❖ old tiling
- ❖ cement and lime cement plasters of the mortar categories CS II, CS III and CS IV in accordance with EN 998 (compressive strength $\geq 2.5 \text{ N/mm}^2$)

Substrate preparation

The substrate must be in the following condition:

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

Technical data

material basis	rapid cement combination with mineral fillers and additives
packaging	25 kg bag
storage	cool and dry at least 9 months in its original sealed container
density	~ 1.7 kg/ dm ³
temperature resistance	- 20 °C up to + 80 °C
mixing ratio	~ 6.5- 7.0 l of water / 25 kg
working time	at + 23 °C ~ 45 minutes at + 10 °C ~ 50 minutes at + 5 °C ~ 60 minutes
layer thickness per process (material non-stretched)	2 up to 30 mm
max. layer thickness	60 mm
layer thickness stretched with 30 % sand (grain size 0- 2 mm)	up to 50 mm
mechanical loadable	after ~ 2- 2.5 hours
consumption	~ 1.3 kg/ m ² / mm
application and substrate temperature	+ 5 °C to + 30 °C
compressive strength	after 4 hour: > 4 N/ mm ² after 24 hours: > 7 N/ mm ² after 7 days: > 12 N/ mm ² after 28 days: > 20 N/ mm ²
compressive strength at low temperature (+ 5 °C)	after 4 hours: > 4 N/ mm ² after 24 hours: > 7 N/ mm ²
bending tensile strength	after 4 hour: > 1 N/ mm ² after 24 hours: > 2 N/ mm ² after 7 days: > 4 N/ mm ² after 28 days: > 5 N/ mm ²
bending tensile strength at low temperature (+ 5 °C)	after 4 hours: > 1 N/ mm ² after 24 hours: > 2 N/ mm ²
cleaning agent	
when fresh	water
when fully cured	cement laitance remover

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

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Please also note:

- ❖ pre-wet dry and absorbent substrates (avoid standing moisture)
- ❖ smooth substrates must be roughened up first of all
- ❖ old tiling must be primed with BOTAMENT[®] D 15 first of all
- ❖ gypsum based substrates must be primed with BOTAMENT[®] D 11 first of all (1 x undiluted)

When levelling large-scaled areas apply a scratch coat made up of BOTAMENT[®] M 200 first and put on BOTAMENT[®] M 200 fresh on fresh with the required thickness afterwards. Onto walls with smooth, hardly absorbent surfaces a reticulate plastering made up of BOTAMENT[®] M 200 has to be provided at least 12 hours before levelling or rendering to ensure an optimal bonding to the substrate.

Application

- ❖ mix up using cold, clean water while stirring with a slow rotating agitator
- ❖ thereafter apply BOTAMENT[®] M 200 Multi-mortar immediately using a suitable tool (trowel)
- ❖ don't mix material again that has started to set

Important tips

Non-ferrous metals must be protected from the contact with BOTAMENT[®] M 200 Multi-mortar by using a suitable protective coating.

If BOTAMENT[®] M 200 Multi-mortar is applied at high temperatures, direct sunlight or draught, the surface must be protected from drying out to soon by taking appropriate post-treatment measures.

You can view or download the safety datasheet at www.botament.com.

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

BOTAMENT[®] M 200 Multi-mortar must only be mixed with the aggregates mentioned in this datasheet.

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-1601. Further technical details can be found in our technical data sheets on our website www.botament.com.
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