



M200 Multi-mortar is one-component, hydraulically hardening mortar with a wide range of application options in interior and exterior areas. Amongst others it is suitable for the repair and levelling of substrates, for the closing of gaps in walls and floors, for creating concave mouldings, for embedding pipes, steel girdes and door frames as well as for the application of tiles, slabs, blocks and bricks.

PRODUCT PROPERTIES

- For layer thicknesses of 2 up to 40 mm
- Excellent stability and high adhesion power
- Early load capacity
- Curing with minimized shrinkage and stress
- Tested according to EN 12004: C1 T
- Can be extended with sand up to 60 mm
- Highly resistant against chlorine as plaster in underwater areas
- Suitable for the use at low temperatures
- Ideal for works overhead

AREAS OF APPLICATION

- Levelling and trowelling of uneven areas on walls and floors and ceilings
- Plastering of wall and ceiling areas
- filling of gaps, defects and holes
- repair of screeds
- application of tiles and slabs
- for manufacturing concave mouldings
- 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
- repair and reprofiling of damaged building structures made of concrete and brickwork

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

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 D1 Speed (undiluted) first of all
- gypsum based substrates must be primed with D11 first of all (1 x undiluted) or D1 Speed (1:1 diluted with water)

SUBSTRATE PREPARATION

When levelling large-scaled areas apply a scratch coat made up of M200 first and put on M200 fresh on fresh with the required thickness afterwards.

Onto walls with smooth, hardly absorbent surfaces a reticulate plastering made up of M200 has to be provided at least 12 hours before levelling or rendering to ensure an optimal bonding to the substrate.

APPLICATION ADVICE

- mix up using cold, clean water while stirring with a slow rotating agitator
- thereafter apply M200 Multi-mortar immediately using a suitable tool (trowel)
- don't mix material again that has started to set

IMPORTANT ADVISORIES

Non-ferrous metals must be protected from the contact with M200 Multi-mortar by using a suitable protective coating.

If M200 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.

M200 Multi-mortar must only be mixed with the aggregates mentioned in this datasheet.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	~ 1.7	
Thermal resistance	°C	> -20 < 80	
Mixing ratio	l	~ 6.5 - 7	water/25 kg
Layer thickness	mm	≥ 2 ≤ 40 ≤ 60	unextended unextended stretched with 30 % sand (grain size 0- 2 mm)
Resilient after	hours	approx. 2	
Consumption	kg/m ² /mm	~ 1.3	
Application conditions	°C	> 5 < 30	
Compressive strength	N/mm ²		
4 h		> 4	at 23° C and 50 % rel. humidity
24 h		> 7	at 23° C and 50 % rel. humidity
7 d		> 12	at 23° C and 50 % rel. humidity
28 d		> 20	at 23° C and 50 % rel. humidity
4 h		> 4	at 5° C
24 h		> 7	at 5° C
Flexural strength	N/mm ²		
4 h		> 1	at 23° C and 50 % rel. humidity
24 h		> 2	at 23° C and 50 % rel. humidity
7 d		> 4	at 23° C and 50 % rel. humidity
28 d		> 5	at 23° C and 50 % rel. humidity
4 h		> 1	at 5° C
24 h		> 2	at 5° C
All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.			
base	rapid cement combination with mineral fillers and additives		
delivery form	25 kg bag		
Storage	Can be stored in cool and dry conditions for at least 9 months in original unopened packs.		
Cleaning agent	when fresh: water, when fully cured: cement laitance remover		

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by Botament's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400021907]