

MC-Floor Screed rapid

(formerly MC-Powerscreed RS)

ready-to-use mortar for rapid screed installation



PRODUCT PROPERTIES

- Easy to use - simply mix with water
- Dry-mix consistency
- Long open time
- Coverable after just 48 hours
- CT-C35-F5 to EN 13813
- Low shrinkage

AREAS OF APPLICATION

- For fast installation of quickly coverable screeds
- For installing screeds on damp-proof course/waterproofing/separating membrane, in composites and on insulation
- Suitable as an underfloor heating screed
- Suitable for wet rooms
- Suitable for interior and exterior applications

APPLICATION ADVICE

Substrate Preparation

The substrate must be load-bearing, dry, clean, frost-free and free of dirt, oil, release agent, paints, coatings or other adhesion-reducing substances.

As the priming layer (bond coat), a mixture of MC-Estrifan Additive KD 961 and water (1 : 3) is mixed with MC-Floor Screed rapid to a slurry-like consistency and brushed onto the matt-damp substrate. The screed is installed fresh-in-fresh on the matt-damp priming layer.

Application Methods

MC-Floor Screed rapid can be prepared with commercially available screed mixers or screed mixer/feed pumps. If there is any stoppage in the work, the mixers, pumps and hoses must be cleaned immediately. The screed can be compacted and precision-levelled using standard techniques.

The screed should be worked and installed in line with all relevant codes and standards as last amended.

Screed Drying

During drying, the screed must be protected from direct sunlight and draught air. The drying process is influenced by the screed thickness and the ambient conditions. Low temperatures, high humidity, undried walls, ceilings and floors, change of dew point, lack of ground sealing/damp-proof course, and plastering and painting work can all lead to delayed drying. Regular ventilation with fresh air is recommended to support the drying process and enable escape of the high volume of moisture that ensues.

Covering the screed surface (with sheeting, boards etc.) will extend the drying time.

Underfloor Heating Screeds

For heated screeds, the existing underfloor heating can be heated to 20 °C before and during screed installation. The actual heating function should not be initiated until at least 3 - 4 days after screed installation.

In so doing, the feed temperature should be gradually ramped up at a maximum rate of 5 °C per day. After holding the maximum temperature for one day, it must be gradually lowered again by 10 °C to the initial temperature.

Further Information

Before covering with tiles or other surface coverings, a CM measurement must be carried out to check the residual moisture level. The maximum permissible residual moisture for the respective surface coverings must be observed.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Ready for overlaying after	hours	24 - 48	
Fresh mortar bulk density	kg/dm ³	approx. 2	
Water addition	l	1.5 - 2	per 25 kg
Working time	minutes	120 - 180	
Application conditions	°C	≥ 5 ≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ² /cm	approx. 20	
Flexural strength	N/mm ²		
24 h		> 3	
7 d		> 5	
28 d		> 6	
Compressive strength	N/mm ²		
24 h		> 20	
7 d		> 30	
28 d		> 35	
Accessible after	hours	4 - 6	
Layer thickness	mm	≥ 10	
		≤ 80	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

form	pulverous
colour shade	grey
delivery form	25 kg bag
self-monitoring	EN ISO 9001
Storage	Can be stored in cool (below 20°C) and dry conditions for 9 months in original unopened packs. Protect from frost.
packaging disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

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 MC'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. [2100004725]