

MC-Proof 600 Xtra

Single-component crack-bridging waterproofing slurry and OS 5b surface protection coating



PRODUCT PROPERTIES

- Single-component
- Crack-bridging of 2 mm
- High UV-stability
- Flexible even at -20 °C
- Open to water vapour diffusion, slows carbonation
- Carbonation-inhibiting and open to water vapour diffusion
- Resistant to freeze-thaw cycling and de-icing salts
- Suitable for trowelling and spray application
- Tested and approved per German code PG-MDS/FPD
- Meets German requirements for OS 5b surface protection systems
- Low flammable, building material class B2 according to DIN 4102-1, class E according to EN 13501-1
- Compatible with systems from the MC-Color Flex range

AREAS OF APPLICATION

- Waterproofing sealant per DIN 18533 for water impact classes W1-E, W2-E, W3-E and W4-E*
- Waterproofing and protective sealant for concrete components per German Concrete and Construction Engineering Association (DBV) Code of Practice (Merkblatt) "Multi-storey and Underground Car Parks"
- Surface protection system for building construction and civil engineering works

APPLICATION ADVICE

Substrate Preparation / Mixing "Waterproofing": MC-Proof 600 Xtra is suitable for application on mineral substrates. The substrate must be stable, clean and frost-free. Remove all impurities (e.g. dust, release agent, formwork oil, paint or cement residues). Depressions >5mm must be levelled using a suitable mortar. Floor/wall junction fillets should be made with a mineral mortar. As an alternative, we recommend the use of the MC-FastTape system for sealing the floor/wall junction. Mineral substrates may need to be prewetted to create a matt-damp surface.

MC-Proof 600 Xtra should be sprinkled into the pre-filled water with constant stirring. The material should then continue to be stirred for at least 3 minutes to form a homogeneous paste. A turbine paddle mixer (e.g. Collomix DLX) is recommended as the best device for achieving the desired mixing result.

Substrate Preparation / Mixing "Surface protection system": All information on substrate preparation for use of MC-Proof 600 Xtra as a surface protection system can be found in the document "General Application Instructions – MC-Proof 600 Xtra".

Application Method "Waterproofing": First apply a pore-filling scratch coat to the substrate using a trowel or hard rubber float / rubbing board. Then apply the first waterproofing layer over the entire surface of the touch-dried scratch coat. As soon as the first layer has set, apply the second and final waterproofing layer. The required dry layer thickness will depend on the identified level of water exposure (water impact class).

Application Method "Surface protection system": First apply a primer / base filler to the prepared substrate using a hard rubber float / rubbing board. The surface protection compound should then be trowelled or sprayed onto the set base filler in a layer thickness of 2 mm. If required, the coating can then be rubbed and smoothed with a wet, medium-hard sponge to produce the required finish.

Further information on application as a waterproofing sealant and for surface protection can be found in the document "General Application Instructions – MC-Proof 600 Xtra".

*According to DIN 18533, a special agreement is required for water impact classes W2-E and W3-E. The consumption quantities do not include the layer thickness allowance specified in DIN 18533.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Working time	minutes	45	
Application conditions	°C	5 - 30	air, substrate and material temperatures
Consumption (dry mortar)	kg/m ² /mm	1.5	
Density	kg/dm ³	1.43	
Water addition	l	4.2	per 20 kg
Drying time	days	1 - 2	
Rain resistant after	hours	6	

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

Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
Packaging disposal	Make sure single-use containers are completely empty.
Delivery form	20 kg bag

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. [2200011321]