MC-Proof 101 HS

Sulphate resistant sealing slurry

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- One-component
- Highly sulphate resistant
- Impermeable to water against positive and negative pressure
- Resistant to alkali and frost
- Easy application
- Proof of suitability as internal sealing after WTA-leaflet 4-6

AREAS OF APPLICATION

- Subsequent structural sealing from the inside against backward moisture
- Waterproofing basis for Nafuflex bituminous thick coatings on damp substrates
- Waterproofing of damp and saline masonry
- Waterproofing of wall bases exposed to splash water (splash water zone)
- Sealing slurry against backward moisture for sealings of buildings in contact with soil

APPLICATION ADVICE

Substrate preparation: Prior to application of the sealing slurry the substrate must be checked for load-bearing capacity and absence of frost. The substrate must be clean and free from all loose particles, dust, old coatings, slurries, bitumen and any other contaminants. Porous and sanding masonry joints must be reamed out at least 1 cm deep. Afterwards the masonry must be cleaned thoroughly using a steel broom/brush or oil-free compressed air. Following cleaning the joints are to be filled with Oxal RM-L.

Dry or highly absorbent substrates must be pre-wetted thoroughly.
In case of full-surface interior sealing, moisture infiltration into inner walls must be avoided. The moisture transport must be sealed by injection of MC-Injekt GL-95 TR into the junction between outer and inner wall.
Covings must be formed at all interior corners (e.g. connection floor/wall) using Oxal RM-L. The coving mortar must be completely dry prior to application of the first sealing layer.

Mixing: MC-Proof 101 HS is added to the prepared water under constant stirring and mixed until a homogeneous and lump-free slurry is achieved. Slowly rotating mixers must be used for mixing. Mixing by hand and preparation of partial quantities or addition of water is not permitted. Mixing takes at least 3 minutes.

Application: MC-Proof 101 HS is generally applied in at least two layers. The first layer is applied in excess and imperviously using a brush. Especially corners and crushed edges must be coated thoroughly. The second layer and any following layer may be applied using a brush or a float. The layer below must be hardened and bear sufficient load capaci-ty, to not get damaged by application of the following layer. Salts on the surface must be removed mechanically prior to application of the next layer, e.g. using a broom. An open worm pump with variably adjustable discharge flow is advised for spray application. Please request our special advice. During application the material must be protected against pressurized water and direct sun exposure.

Curing: MC-Proof 101 HS must be protected from drying out too quickly due to high temperatures and against direct sun and wind exposure over the entire curing phase. In exterior areas the fresh sealing slurry must also be protected against rain and frost.

Note: WTA leaflet 4-6-14/D and the „Guideline for planning and execution of waterproofing with mineral sealing slurries“ are to be observed.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	kg/l	25 : 4.8 - 5.2	powder component : water
Working time	minutes	approx. 60	at 20 °C
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption	kg/m²/mm	1.7	factory-dried mortar
Compressive strength	N/mm²		
7 d		29	
Layer thickness	mm	3	ground moisture + non-accumulating seepage water (≥ 2.5 mm dry layer thickness)
Layer thickness (wet layer thickness)		3.5	pressing water (≥ 3 mm dry layer thickness)
Fresh mortar bulk density	kg/dm³	approx. 2	
Waiting times	hours	12	
	days	5	
Thermal resistance	°C	-20 - 70	
Overworking time	hours	approx. 3	
Flexural strength	N/mm²		
7 d		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	25 kg bag

GISCODE : ZP1

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