



MC-Powertop F

Fine filler for Concrete Cosmetics

Product Properties

- Ready to use - just mix with water
- Polymer modified
- Weather and frost resistant
- Colour fast and light resistant pigmentation
- Layers of up to 6 mm thickness can be applied in single application stages
- Suitable for overhead application
- Sprayable with suitable machine (please ask for technical advice)
- In seven different colours available (see colour chart)
- Rated class R1 according to EN 1504-3

Areas of Application

- For full surface repairs on concrete and exposed concrete
- For fine fillings and repairs on precast concrete components

Application Notes

This filler is not suitable for repairs on mechanically loaded surfaces.

Substrate preparation

The substrate must be clean, solid, able to bear loads and free from anti-adhesive substances. Cement streaks on exposed concrete must be removed with Donnitil 3 X.

The substrate has to be prewetted so that it is semidry yet still absorptive. When applying to very uneven surfaces, honey-combs, etc. the moist substrate should be treated simultaneously with MC-Powertop G.

Mixing

MC-Powertop F is poured into the measured water and stirred with a slow-rotating agitator until it has a lump-free, workable consistency.

Lower temperatures retard the curing process, while higher temperatures accelerate it.

Application

MC-Powertop F must only be used if the substrate

and surrounding temperatures are above + 5 °C.

For application use a trowel, finishing trowel or MC-Top rubber. Depending on the condition of the substrate, MC-Powertop F can be applied up to a total layer thickness of max. 6 mm. To achieve an even and smooth surface, the filler should be re-profiled within the stated processing time, using the MC-Top Sponge.

Further Information

Colour changes may appear during processing! Use only little water for after-treatment. The MC-Top Sponge should therefore only be cleaned with clean water during re-profiling. 90 % of the excess water should be squeezed out. This prevents the formation of smears on the surface.

After treatment

Surfaces treated with MC-Powertop F must receive after-treatment quickly to protect them from accelerated water evaporation by sun and wind exposure.



Technical Data for MC-Powertop F

Characteristic	Unit	Value	Value	Comments
Type		Rapid	Lang	see colour chart
		grey concrete-grey medium-grey	white, white-grey stone-grey concrete-grey medium-grey anthracite	see colour chart
Application thickness	mm	6	6	maximum
Processing Time	minutes	approx. 15	approx. 30	Rapid at + 10 °C Lang at + 20 °C
Recommended Processing Temperature	°C	+5 - +15	+15 - +30	
Added water	litre	6.5 - 7.5	6.5 - 7.5	per 25 kg sack
Consumption	kg/m ²	1.45	1.45	per mm layer thickness
Flexural Strength	N/mm ²			at 23 °C and 50 % humidity
after 1 hour		2.0	1.5	
after 3 days		4.0	3.0	
after 28 days		6.0	5.0	
Compressive Strength	N/mm ²			at 23 °C and 50 % humidity
after 1 hour		4.0	2.0	
after 3 days		8.0	10.0	
after 28 days		20.0	23.0	
Adhesive Tensile Strength	N/mm ²			at 23 °C and 50 % humidity
after 3 days		0.8	0.8	
after 28 days		1.1	1.1	

Product Characteristics for MC-Powertop F

Internal production monitoring	DIN EN ISO 9001
Storage	Can be stored for at least 12 months in closed packs under frost-free and dry conditions.
Form of Delivery	25 kg sacks. 1 pallet (35 sacks with 25 kg each)
Disposal	To protect our environment please empty the packs completely.

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 09/14. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.