

# MC-Powertop G ultra

## Coarse filler with integrated primer and fiber for concrete cosmetics

### Product properties

- Rapid setting
- One-component, polymer modified
- Can be used without bonding layer
- High adsorption to the substrate
- Low fresh mortar density, low consumption
- Resistant to de-icing salts and frost
- Excellent adhesive properties
- Suitable for overhead and vertical applications
- Rated class R2 according to EN 1504-3
- Low chromate content

### Areas of application

- For coarse fillings and repairs to precast concrete elements
- For joint filling in between of precast concrete elements

### Application advice

#### 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.

#### Mixing

MC-Powertop G Ultra 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.

#### Reinforced Steel

The reinforced steel must be prepared to standard SA 2 according to EN ISO 12944-4. Compressed air blasting with solid grit is suitable to achieve the specified standard degree of cleanliness.

#### Application

MC-Powertop G ultra must only be used if the substrate and surrounding temperatures are above + 5 °C.

For application use a trowel, finishing trowel or MC-Tool Rubber. Depending on the condition of the substrate, MC-Powertop G ultra can be applied up to a total layer thickness of max. 40 mm. To achieve an even and smooth surface, the filler should be re-profiled within the stated processing time, using the MC-Tool Sponge.

#### Further information

Color changes may appear during processing! Use only little water for after-treatment. The MC-Tool 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 G ultra must receive after-treatment quickly to protect them from accelerated water evaporation by sun and wind exposure.

**Technical values of MC-Powertop G ultra**

Parameter	Unit	Value	Comments
Application thickness	mm	40	maximum 80 mm in two working steps
Processing time	min.	approx. 45	at +20°C
Recommended processing temperature	°C	from +5	minimum temperature
Consumption	kg/m <sup>2</sup>	1,52	per 1 mm layer thickness
Added water per 25 kg sack	l	4,0 – 4,5	-
Flexural strength after 1 day after 28 days	MPa	approx. 4,0 approx. 6,0	at +23°C and 50% relative humidity
Compressive strength after 1 day after 28 days	MPa	approx. 25,0 approx. 40,0	at +23°C and 50% relative humidity

**Product characteristics of MC-Powertop G ultra**

Factory production control	According to EN ISO 9001, EN 1504-3 and EN 1504-8
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
Delivery form	25 kg bag 1 pallet (42 bags @ 25 kg)
Packaging disposal	Make sure single-use containers are completely empty

Properly 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 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.

**Edition 10/21 PL.** Some technical changes have been made to this document. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.