

Emcefix Spachtel F lang

Fine filler with normal hardening behaviour for fair-faced concrete cosmetics



PRODUCT PROPERTIES

- Polymer modified fine filler for layers of up to 6 mm thickness
- In 7 different colours available
- Colour fast and light resistant pigmentation
- Ready to use - just mix with water
- Normal hardening, suitable for overhead application
- Frost thaw resistant according to EN 13687-3
- Sprayable with suitable machine (please ask for technical advice)
- Registered with DGNB (Code: LAEDNR)
- Low emissions acc. to AgBB
- Very low emission according to GEV-EMICODE, categorie EC1^{PLUS}
- Non-flammable acc. to EN 13501-class A1
- Certified class R1 according to EN 1504-3

AREAS OF APPLICATION

- For small and large scale fillings on concrete and exposed concrete
- For fine fillings and repairs on precast concrete components

APPLICATION ADVICE

Emcefix-Spachtel F lang is not suitable for repairs on mechanically loaded surfaces.

Substrate preparation: Please refer to the data sheet „General Application Advice for fine and super fine fillers“.

Mixing: Emcefix-Spachtel F lang 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.

Pre-wetting: 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 previously with Emcefix-Spachtel G.

Application: Emcefix-Spachtel F lang 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, Emcefix-Spachtel F lang 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-Tool Sponge. Further

Information: Colour 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 Emcefix-Spachtel F lang must receive after-treatment quickly to protect them from accelerated water evaporation by sun and wind exposure. Curing usually takes 3 days.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments | |
|------------------------|-------------------|--------------|--|--------------------------|
| Maximum grain size | mm | 0.25 | | |
| Water addition | l | 3.2 - 3.6 | per 12 kg | |
| | | 6.5 - 7.5 | per 25 kg | |
| Working time | minutes | approx. 30 | at 20° C | |
| Application conditions | °C | ≥ 5 ≤ 30 | air, substrate and material temperatures | |
| Consumption | kg/m ² | approx. 1.45 | per mm layer thickness | |
| Flexural strength | N/mm ² | | | |
| | | 24 h | 1.5 | |
| | | 72 h | 3.2 | |
| | | 28 d | 6.2 | |
| Compressive strength | N/mm ² | | | |
| | | 24 h | 2 | |
| | | 72 h | 10.8 | |
| | | 28 d | 23 | |
| Tensile strength | N/mm ² | | | |
| | | 72 h | 0.8 | Ambient conditions 23/50 |
| | | 28 d | 1.1 | Ambient conditions 23/50 |
| Layer thickness | mm | 1 | minimum layer thickness per pass/operation | |
| | | 6 | maximum layer thickness per pass/operation | |
| | | 6 | maximum total layer thickness | |

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

| | |
|--|---|
| Colour | white, white grey, stone grey, grey, Concrete grey, medium grey, anthracite grey |
| Delivery form | 12 kg bucket; 1 pallet (33 buckets with 12 kg each); 25 kg bags; 1 pallet (35 bags with 25 kg each); |
| Self-monitoring | EN ISO 9001 |
| Hazardous substance according to the Ordinance on Hazardous Substances | Ensure compliance with the DIN Safety Data Sheet! |
| 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. |

GISCODE : ZP1

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. [2300018554]