

Nafufill EF

Extra fine smoothing filler



PRODUCT PROPERTIES

- Polymer-modified mineral filler
- One-component
- High water retention
- Suitable for wet rooms
- Application by hand
- Grindable
- Resistant to freeze-thaw and temperature changes
- For producing surfaces of quality levels Q1 - Q4
- Can be used as levelling, scratch, pore and shrinkage filler
- Can be overpainted with MC-Color LE, MC-Color Flair pure, MC-Color Flex pure and MC-Color T 21
- Registered with DGNB (Code: I39MD0)
- Class R1 according to EN 1504 Part 3

AREAS OF APPLICATION

- Fine filling of wall and ceiling surfaces
- Roughness leveling
- Closing pores and cavities
- Filling over old tile coverings in combination with MC-Estribond uni
- Hybrid filler for concrete components of new and existing buildings that cannot be walked on or driven over, can be used both indoor and outdoor applications
- Filling and smoothing of board joints in plasterboard, gypsum fibre and gypsum wallboards
- Can be used on normal concrete, lightweight concrete and sand-lime brick as well as on all mineral cementitious substrates
- Certified according to EN 1504 Part 3 for Principle 3 as well as Methods 3.1 and 3.3

APPLICATION ADVICE

Substrate preparation: See "General Application Advice Nafufill EF" leaflet.

Pre-wetting: See "General Application Advice Nafufill EF" leaflet.

Mixing: Nafufill EF is added to water under constant stirring, mixed homogeneously and without lumps until a fresh mortar suitable for application is obtained. For mixing, use high-speed mixers with a spiral agitator basket (e. g. Collomix-KR 160 MK) or small double agitators. The following mixing sequence must be followed:

Mix for 3 minutes, allow to mature for 2 minutes and then stir vigorously once more. Mixing of partial quantities is permissible.

Mixing ratio: See table "Technical properties".

Approx. 5.6 to 6.0 litres of water are required for a 20 kg bag of Nafufill EF. As Nafufill EF is cement-bounded, the water requirement may vary.

Processing: Nafufill EF can be applied by hand. For manual application use a trowel, float or squeegee board.

Surface finishing: Nafufill EF can be smoothed after application and rubbed off with a dry, soft sponge. To remove remaining filler burrs or superficial disturbances, Nafufill EF can be re-sanded within the first 4 hours as soon as it is hardened. We recommend a hand sander with sanding grid as sanding device. Sanded or smoothed surfaces must be primed with MC-Color Primer before applying OS systems such as MC-Color Flair pure, MC-Color T 21 and MC-Color LE.

Curing: Nafufill EF can be overpainted with MC-Color Flair pure, MC-Color T 21 or MC-Color Primer at +20 °C three hours after application. MC-Color Primer must always be used as a primer for MC-Color Flex pure. After applying MC-Color Primer, the first coat of MC-Color Flex pure can be applied after a further hour. At higher temperatures and under wind load, the recoating time is shortened. If overcoating is carried out after 24 hours, Nafufill EF must be protected from drying out too quickly due to direct sun-

APPLICATION ADVICE

light and wind until then. Exposure to moisture (rain, condensation) in the early state may lead to the formation of light discolourations on the surface. Remove any loose components before further processing.

Other notes: If tile coverings are overfilled with Nafufill EF, the surfaces must be thoroughly cleaned before applying the primer with MC-Estribond uni.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	< 0.1	
Mixing ratio	p.b.w.	100 : 28 - 30	powder component : water
Working time	minutes	40	at 5° C
		30	at 20 °C
		20	at 30 °C
Application conditions	°C	≥ 5 ≤ 30	Temperatura del aire, soporte y material
Consumption ¹⁾	kg/m ²		
As a scratch coat		approx. 0.6 - 1.4	
As a pore and blowhole filler		approx. 0.4 - 1	
Flexural strength	N/mm ²		
28 d		1.8	
Compressive strength	N/mm ²		
24 h		2.5	
7 d		4.4	
28 d		12.4	
Layer thickness	mm	< 1	minimum layer thickness per pass/operation
		1	maximum layer thickness per pass/operation
		1	maximum total layer thickness
Fresh mortar bulk density	kg/dm ³	1.6	
Tensile strength	N/mm ²	> 0.8	
Grindable after	hours	< 4	
Waiting times	minutes	approx. 60	1st step / 2nd step

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

1) The consumption values depend on the impermeability, porosity and type of substrate. To determine the object-specific consumption quantities, it is advisable to create test areas.

Form	pulverous
Colour	white
Delivery form	20 kg bag
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. [2400020997]