

General Application Advice

Nafufill SF

Application Advice

Substrate preparation old concrete

All old concrete substrates to be coated must be tested for load-bearing capacity. The substrate must be clean and free from all loose particles, dust, oil and any other contaminants. Layers of reduced strength must generally be removed. Substrate preparation is to be adjusted to the existing substrate conditions.

The surface tensile strength of the substrate must comply with the corresponding technical standards.

Substrate preparation new concrete

All new concrete substrates to be coated must be tested for load-bearing capacity. The substrate must be clean and free from all loose particles, dust, residues of mould release agents and any other contaminants. Thorough cleaning by steam blasting (cold water) is usually sufficient.

Following substrate preparation the new concrete substrate must be appropriate for coating, especially with regard to existing mould release agents.

Existing pores and blowholes in the new concrete should be opened by sweeping.

The surface tensile strength of the substrate must comply with the corresponding technical standards.

Substrate preparation other substrates

If aerated lightweight concrete, sand-lime brick, cement or dispersion render substrates are to be coated with Nafufill SF, the substrate must be tested for load-bearing capacity prior to application. The substrate must be clean and free from all loose particles, dust and any other contaminants.

Pre-wetting

Before Nafufill SF is applied, the substrate must be pre-wetted thoroughly. Highly absorbent substrates must be pre-wetted several times. A closed film of water on the substrate, as well as water-filled pores and blowholes must be avoided. After pre-wetted the substrate must be allowed to dry only so far that it has a matt-moist surface before application of Nafufill SF.

To fill only pores and blowholes in new concrete components with Nafufill SF, pre-wetting is not required.

Curing

Nafufill SF requires no curing if applied within the indicated temperature range.

Special application advice

Porefiller

To seal pores and blowholes flush with the surface, Nafufill SF is to be applied in excess using a stainless steel float. As soon as Nafufill SF may be grinded, any excess material is to be removed down to the datum level of the substrate using a grinding grid.

If pores and blowholes cannot be sealed in one work step, Nafufill SF is to be applied in two layers.

Priming under Nafufill SF

Priming is usually not required for the following substrates: old concrete, new concrete, sand-lime brick, aerated lightweight concrete, rendering and dispersion render. For reaction resin based coatings please ask for our technical advice.



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Priming on Nafufill SF

Use of a primer prior to application of MC-Color Flair pure, pro and vision and MC-Color Flex pure, pro and vision onto Nafufill SF is usually not required.

Smoothed and grinded Nafufill SF surfaces are generally to be primed beforehand with MC-Color Primer.

If Nafufill SF is overcoated with MC-DUR 2496 CTP, Nafufill SF must be primed with MC-DUR 1277 WV or MC-DUR 1177 WV-A.

Overcoating Times

If Nafufill SF is applied in two or more layers, intervals must be observed between the individual work steps. Please note the relevant information in the product data sheet.

General Information

For application of all mentioned products please note the relevant technical data sheets.

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Characteristic	Unit	Value	Comments
Waiting time until application of coating systems	hours	24	at + 5 °C
		12	at +20 °C
		12	at +30 °C
		12	at +40 °C
Waiting time until application of the primer onto Nafufill SF	hours	24	at + 5 °C
		12	at +20 °C
		12	at +30 °C
		12	at +40 °C
Waiting time until testing the adhesive tensile strength of applied coating systems	days	> 14	all temperature ranges

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 11/19. 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.