

Nafuquick HT

Thermal filler for concrete cosmetics

Product Properties

- Cement based, polymer modified concrete fine filler
- Extremely high water retention
- Workable up to substrate temperatures of + 70 °C
- Curing free
- Steady, suitable for overhead works
- One component
- Certified according to EN 1504-3, Class R1 - non-structural repair

Areas of Application

- Thermal filler for concrete substrates with high surface temperatures up to + 70 °C
- For small and large area filling and repair works
- Closing of fine pores and voids
- For indoor and outdoor applications
- Applicable as suitable substrate for subsequent coatings

Application Notes

Substrate preparation

The substrate must be clean and free of all loose particles, dust, oil and other substances with separating effects.

Laitance must be removed completely; the granular structure of the substrate should be visible.

Nafuquick HT is applied on dry substrates.

Mixing

Nafuquick HT is poured into the weighed water and constantly mixed until a homogeneous, lump-free consistency is achieved.

The mixing process is to be done with slow speed hand mixers like Colomix Xo 6 HF together with DLX agitators. When mixing the following procedure is recommended: mixing for 2 minutes, 5 minutes maturing time, then stir again briefly and powerfully.

The mixing of partial quantities is permitted. In this case please ensure 2 minutes of vigorous hand mixing, using for example a trowel. Five minutes maturing time must be observed, then stir again briefly and powerfully.

Processing

Nafuquick HT can be applied manually. The manual processing is carried out with a trowel, a float or with the rubber float MC-Top Rubber.

For the spray application, use spiral pumps with an adjustable flow rate. In this case, preliminary tests are recommended.

To achieve a particularly fine, smooth finish, overwork the thermal filler by using MC-Top Sponge.

It is not necessary to apply curing agents on the treated surface.

Other Information

The hardening process can be delayed at lower temperatures or accelerated at higher temperatures.

For substrate temperatures higher than + 35 °C, please adjust the processing steps.



Technical Data for Nafuquick HT

Characteristic	Unit	Value*	Comments
Maximum grain size	mm	0.35	
Colour		concrete-grey	
Application thickness	mm	1 15 30 30	min. layer per work step max. layer per work step max. total layer thickness partial reprofiling
Processing time	Minutes	approx. 40 approx. 30 approx. 20	at + 5 °C at + 20 °C at + 30 °C
Processing conditions	°C	≥ 5 - ≤ 70 ≥ 5 - ≤ 35	substrate temperature air and material temperatures
Consumption (dried filler)	kg/m ² /mm	approx. 1,25	
Added water	l	7,5 - 8,0	per 25 kg bag
Flexural / Compressive strengths	N/mm ²	1,0 / 2,5 3,0 / 8,0 4,0 / 10,0	after 1 day after 7 days after 28 days

Product characteristics for Nafuquick HT

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

* All technical values were determined in laboratory, at a temperature of 23 °C and 50 % relative humidity.

** The consumption value depends on the substrate's tightness, porosity, type, etc. To determine the object's specific consumption rates, we recommend you to preform trial areas.

Safety advice

Please take notice of the safety information and advice given on the packaging labels, Safety Data Sheets and General Application Advice. GISCODE: ZP1

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 03/18. 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.