

# Nafuquick HT

Thermal filler for concrete cosmetic purposes



## 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
- Non-flammable according to EN 13501-class A1
- GISCODE: ZP1

## 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 ADVICE

**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, lumpfree 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	0.35	
Water addition	l	7.5 - 8	
Working time	minutes	approx. 40	at 5° C
		approx. 30	at 20° C
		approx. 20	at 30° C
Application conditions	°C	≥ 5 ≤ 70	substrate temperature
		≥ 5 ≤ 35	air and material temperatures
Consumption	kg/m <sup>2</sup> /mm	approx. 1.25	
Flexural strength	N/mm <sup>2</sup>		
7 d		3	
28 d		4	
24 h		1	
Compressive strength	N/mm <sup>2</sup>		
7 d		8	
28 d		10	
24 h		2.5	
Layer thickness	mm	1	minimum layer thickness per pass/operation
		10	maximum layer thickness per pass/operation
		20	maximum total layer thickness

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

Colour	Concrete grey
Form	pulverous
Delivery form	25 kg sack; 1 pallet (35 x 25 kg)
Self-monitoring	EN ISO 9001
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.

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. 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. [2300018599]