



# Nafuquick

## Ready to use Fine Repair Mortar

### Product Properties

- Easy to mix
- Easy to apply
- Rapid hardening
- Excellent bonding properties
- Can be drawn to extremely thin layer thicknesses
- Weather Resistant

### Areas of Application

- For porous or rough concrete, the entire surface is coated with **Nafuquick**<sup>®</sup> repair mortar
- To repair pre-cast elements with shrinkage cracks
- To level off broken corner and edges on concrete structures and pre-cast elements
- To repair uneven surfaces in pre-cast concrete elements
- Finishing coat for concrete in isolated areas and whole surfaces as part of a concrete repair system
- Smoothing and restoring of concrete surfaces. Surface profile and character of fair-faced concrete can be retained
- As a substrate under suitable concrete protective and decorative systems, e.g. **EmceColor-flex, Betonflair W**
- It can be used as an Scratch Coat for Closing of pores and blowholes in the concrete surface.

### Application Notes

#### General

**Nafuquick**<sup>®</sup> is a polymer modified hydraulically setting, finishing mortar in concrete repair. It is a single component material and can be applied by hand. **Nafuquick**<sup>®</sup> is supplied in shades of grey. **Nafuquick**<sup>®</sup> is a general-purpose repair mortar to repair, smoothen and level concrete surfaces or bases.

#### Advantages

Nafuquick<sup>®</sup> contains no chlorides or other corrosive substances

#### Instructions for use

The surface must be clean and free from all loose particles, dust oil and other contaminants. Substrate pull-off strength of > 1.5 N/mm<sup>2</sup> is required. Before application of **Nafuquick**<sup>®</sup> the surface should be moistened. It should be damp but not saturated with water. **Nafuquick**<sup>®</sup> is a single-component product that requires only mixing with water. The dry mortar is slowly added to the water and mixed thoroughly until a relatively stiff, homogenous, lumpfree mortar is achieved. Drum mixers or slow stirring paddles are suitable. The mixing should take at least 5 minutes

Therefore, for a 30 Kg sack of **Nafuquick**<sup>®</sup> approximately 6.5 L of water is required

The pot-life of the mixed mortar is 20 to 25 minutes at normal temperatures. Mix only such quantities that can be applied during the pot life. If larger holes and cavities are present, repair with a mortar composed as follows: 1 part **Nafuquick**<sup>®</sup>; 1 part coarse silica sand. The silica sand should be sharp edged, clean and sized 1 to 3mm

**Nafuquick**<sup>®</sup> can be applied with a spatula, float or trowel. Once the mortar has begun to set, smoothen in the normal way.

**Nafuquick**<sup>®</sup> can be applied at temperatures above +5°C. Care must be taken to ensure that **Nafuquick**<sup>®</sup> is suitably protected, to prevent it from drying out too rapidly, especially from the effects of direct sun and wind. As with other cementitious materials, rain or similar effects on fresh application may cause slight surface blemishes. Before application of additional protective coatings, loose particles must be removed.

#### Application Tips

Some Application ideas for **Nafuquick**<sup>®</sup> is shown in the Photographs in the Further Instructions / Precautions table



### Further Instructions

Application onto Rough / Honevcombed Concrete



Filling of Holes in Concrete Elements



Repairing Broken Edges



Finishing Porous Concrete in Precast Concrete



Closing / Covering Joints



Smoothing Large Concrete Areas



### Technical Data for Nafuquick®

Characteristic	Unit	Value*	Comments
Density	Grams/cm <sup>3</sup>	1,65	
Grain Size	mm	0,2	
Addition of water	Liters	6,5 to 7	For 30 kg sacks, Mix to Slightly Stiff, Homogenous, Lump-free Consistency
Consumptions			Varies by Application
Minimum Application Temperature	°C	5	
Pot Life	Minutes	30	At 25° C temperature

\*All the technical Values were determined in laboratory, at a temperature of 20° C and 65% relative humidity

### Product Characteristics for Nafuquick®

Type of Product	Single component Fine grade fairing coat
Form	Gray Powder
Shelf Life	6 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Delivery	30 kg sacks
Disposal	Empty packs completely and dispose off carefully to protect our Environment

### Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

**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 binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition:** - MC/IND/190512, 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.