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POLYGROUT HF

HIGH FLOW NON SHRINK CEMENTITIOUS PRECISION GROUT

REPAIR

Polygrout HF is a cementitious, free flowing, economical, general purpose, non-shrink precision grout with high ultimate strength. Suitable for use in hot and tropical climatic conditions.

USES

Polygrout HF is used for grouting in the following:

- Machine foundations
- Columns in precast construction
- Concrete anchors, cavities, gaps and recesses
- Base plates
- General concrete repairs
- Bridge bearing pads
- Structural concrete repairs

ADVANTAGES

Polygrout HF is an easy to use grout requiring only the addition of water.

It offers the following beneficial properties:

- Easy to mix
- Good flow characteristics
- Dual expansion system
- Adjustable consistency
- High final strengths
- Non-corrosive and iron-free

PRODUCT INFORMATION

Composition	Cementitious material with special additives
Packaging	25 kg bag
Appearance / Colour	Grey Powder
Shelf Life	12 months from date of production
Storage Conditions	Store in a dry area in original sealed packaging at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture
Density	Fresh Mortar: ~2.2 kg/l (at +25 °C)

TECHNICAL INFORMATION

Compressive Strength	60 N/mm ² @28 Days (ASTM C109)
Tensile Adhesion Strength	1.5 N/mm ² (BS 1881)

APPLICATION INFORMATION

Substrate Temperature	+5 °C min. / +35 °C max.
Cosumption	13 L
Mix Ratio	0.15

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, rough, sound and free from oil, grease, cement laitance and all loosely adhering particles. Absorbent surfaces should be saturated thoroughly with clean water. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.

MIXING

Add water according to the desired consistency into a clean mixing vessel before slowly adding the Polygrout HF powder. Polygrout HF is best mixed in a forced action mixer, for 2 to 3 minutes or until the mix is free of lumps, not longer than 5 minutes. Slow speed drill (maximum 500 rpm) can be also used for mixing. Normal tumble type concrete mixers are not suitable. Do not mix more grout than can be placed within 15 to 20 minutes. Do not add extra water or other ingredients. Mix only full bags for best results.

APPLICATION

Before pouring let the mixed grout stand for approximately 5 minutes after mixing to allow entrapped air to escape. Pour into the prepared area such that the grout has the shortest distance to travel. Ensure that air displaced by the grout is allowed to escape. When carrying out base plate grouting, ensure a sufficient head of pressure is maintained to keep the mortar flowing. All exposed areas of the mortar surface should be kept as small as possible.

CURING TREATMENT

Treat exposed surfaces with suitable curing compounds or use other approved curing methods such as polyethylene sheeting or wet hessian. Do not commence fogging until the final set has been reached.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details. control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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