

R3

REPAIR 300

ONE COMPONENT FIBER REINFORCED REPAIR MORTAR

REPAIR

Repair 300 is a cementitious, silica fume and polymer containing, one-component repair mortar. Suitable for use in hot and tropical climatic conditions.

USES

Repair 300 can be used for cosmetic or structural repair of deteriorated concrete and mortar on exterior or interior, horizontal and vertical applications.

ADVANTAGES

- Easy to mix, apply and finish
- Good adhesion
- Shrinkage compensated
- Compatible with the properties of typical concretes
- Low water absorption, but vapour permeable
- Non-corrosive
- Excellent chloride and carbonation resistance

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 density: ~2.1 kg/l (at +25 °C)

TECHNICAL INFORMATION

Compressive Strength	35 N/mm ² @28 Days (ASTM C109)
Flexural Strength	1.2N/mm ² @ 28 Days (BS 1881)
Layer Thickness	5-20 mm

APPLICATION INFORMATION

Mixing Ratio	4-4.5 L of water per 25 kg bag
Cosumption	1-1.5 kg/mm ² depends on thickness

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Substrates must be properly cured, structurally sound, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.

Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as water-jet washing or blast cleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.

For applications in hot climates / environments and / or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product

MIXING

Mix a 25 kg bag with the necessary, above mentioned, amount of cold water, using an electric blender with a suitable mixing spiral, in a clean bucket. Add the Repair 300 powder slowly while mixing continuously for at least 3 minutes and until a homogeneous consistency is achieved. Use a blender at 500 rpm maximum; do not mix at a faster rate because of mechanical strength decay of the cured product. The obtained mix results are creamy, easily spreadable and thixotropic.

APPLICATION

Apply Repair 300 while the bonding agent is still wet. The mortar can be applied by spatula or trowel. For any thickness more than 30 mm, Repair 300 must be applied in several layers. As soon as the mortar has started to set it can be smoothed by wooden or synthetic floats.

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.

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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