

BS 18

FIBER REINFORCED REPAIR MORTAR FOR FAIR-FACE CONCRETE

Puttying and restoration of concrete surfaces.

Description : Fine-grained, fibre-reinforced, grey cementitious mortar, suitable for the aesthetic repair (puttying) of fair-faced concrete elements. It contains resins which improve adhesion to the substrate and increase elasticity and watertightness. It contains anti-corrosion additives to protect the reinforcement. Does not contain lime.

Usages: Use to cover and aesthetically repair blebs and other imperfections noticed after removal of the casing of various concrete elements. It does not provide a solution in case of structural stability issues. If there is already partial corrosion of the reinforcement, it should be checked and repaired with specialized products.



Advantages:

- Very good adhesion to the substrate.
- High mechanical strengths.
- No cracking.
- Creates an alkaline environment which protects iron reinforcement from corrosion.
- Stable quality.

Packaging /distribution :

- Bags of 25 kg
- Palette of 1350 kg, 54 paper bags of 25 kg.
- Big-bags of 1000 kg.
- In bulk in a silo with a capacity of 12 - 18 - 22 m³

Storage: 12 months from the date of production in unopened package, in a dry place.


Safety precautions : This product contains cement and reacts as alkaline with moisture, so it is classified as irritant. It must be used with care according to the instructions for use. Please consult the SDS of the product.

Specifications: EN 1504-3 (R2)

Certification /CE marking: Factory production control certification:
TÜV AUSTRIA HELLAS (0906) - 0906-CPR-02413045

TECHNICAL DATA:

Compressive strength in 28 days:	≥ 25 MPa (EN 12190)
Flexural strength in 28 days:	≥ 4 MPa (EN 12190)
Chlorides :	$\leq 0.05\%$ (EN 1015-17)
Adhesion Strength:	≥ 1.5 MPa (EN 1542)
Thermal compatibility –Part 1-freeze/thaw):	≥ 1.5 MPa (EN 13687-1)

 12 DoP.: 045 MARMO-CPR 0906
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 1504-3:2005 BS 18 Concrete repair mortar (PCC mortar) for non-structural repair
Compressive strength: <i>Class R2</i> Chloride ion content: $\leq 0.05\%$ Reaction to fire: <i>class A1</i> Adhesive bond: ≥ 1.5 MPa Thermal compatibility (Part 1 –freeze/thaw): $\geq 1,5$ MPa Dangerous substances: <i>comply with §5.4 / Refer to product's SDS</i>

APPLICATION:

Mixing ratio: About 4 lt of water per bag of 25 kg

Consumption: Approx. 20 kg of dry mortar per m² for 1 cm of thickness.

Application mode:

- The substrate must be clean, free from dust, grease, loose materials etc.
- Mix in clean container, with low speed electric drill, a 25kg bag of BS 18, with about 4 kg (lt) of clean water, until you get a homogeneous mass without lumps
- It is recommended to wet the substrate before applying the mix
- Apply the wet mortar using a trowel or spatula.

ATTENTION:

- The content of the bag should be protected from humidity
- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature: +5°C to +35°C

The above application guidelines are indicative, for the correct use of the product. For more technical details please contact the company's technical department.

We guarantee the quality of all our products, on the basis of their technical specifications, as described in the Declaration of Performance (CE) and this technical data sheet. Such guarantee refers only to the products that we deliver for use and not to its application or final result, which largely depend on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. This edition of technical data sheet automatically cancels any previous version