

M STEEL 44

EN 1504-7

Brushable cement based primer for reinforcement

DESCRIPTION

Ready cementitious industrial mortar for the protection of concrete reinforcement from corrosion

FIELDS OF APPLICATION

To be used in concrete repairs for the protection of the reinforcement from corrosion in cases such as damages from earthquake, concrete problems from carbonation, failures in the application.

Also as a bonding layer between old and new layer of mortar in repairs of concrete or other repair work. It can also be used preventively on the reinforcement of structural elements being in a humid environment.

CHARACTERISTICS/ADVANTAGES

- Excellent adhesion to the steel reinforcement and to concrete
- Stops corrosion after repair
- Excellent protection from water penetration
- High strength

PRODUCT INFORMATION


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| Composition | Contains cement and corrosion inhibitors |
| Appearance/Colour | Dark red powder |
| Packaging | Plastic container of 1 kg Cardboard box of 12 pieces Palette of 480 kg |
| Storage conditions | In sealed packaging and dry environment |
| Shelf life | 12 months from date of manufacture |

TECHNICAL CHARACTERISTICS

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| Specific gravity of wet mortar: | 1.58 kg /lt |
| Corrosion protection: | Passes the test |

APPLICATION INFORMATION

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| Mixing ratio | 0.25 – 0.28 lt of water for 1 kg of product |
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|  12 DoP: 052 MARMO-CPR 0906 |
| NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece |
| EN 1504-7 MARMOLINE M-STEEL 44 Reinforcement corrosion protection |
| Corrosion protection: <i>Pass</i> Dangerous substances: <i>comply with §5.3</i> |

DIRECTIONS OF USE

- Clean thoroughly the reinforcement from rust.
- Clean thoroughly the concrete from loose material, dust, etc. You may also apply hydro-jetting for better cleaning of the area
- Mix approx. 0.25 lt of water with 1 kg of product until a homogeneous, lump-free mixture is obtained
- Cover the reinforcement with two coats, less than 1 mm thick, to avoid cracks
- It is recommended to saturate the concrete before applying the material
- Apply the second coat once the first one is dry

IMPORTANT NOTICE

- The material should be protected from humidity
- Do not add excessive quantity of water for it may result on reduced strength
- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature +5°C to +35°C

COMPLIANCE WITH STANDARDS

CE marking and Declaration of Performance based on standard EN 1504-7 (Reinforcement corrosion protection).

TÜV AUSTRIA HELLAS (0906) - 0906-CPR-02413045

HEALTH, SAFETY & ENVIRONMENTAL PROTECTION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website <https://marmoline.gr/> or upon request.

LEGAL NOTICE

We guarantee the quality of all our products, based on 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 never to its application or final result, which largely depends 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. All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to conditions that are not subject to our control. The recommendations and implementation instructions must be considered by the user as indicative, and always with given that the product has been traded and stored according to its instructions. As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet. The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.