

Product

PLASTOSTAR IM

cod. 6004 9006

SELF-SUPPORTING, COMPENSATED SHRINKAGE MORTAR BASED ON HIGH RESISTANCE CEMENT AND SELECTED INERT MATERIALS, WITH THE ADDITION OF SYNTHETIC AND MICRO-SILICATE FIBRES

Features

- Adheres directly to seasoned concrete.
- Controlled, compensated shrinkage.
- Mechanical characteristics quickly achieved.
- Elastic module and thermal expansion coefficient similar to those of concrete.
- Excellent waterproofing properties, resistance to sulphates and freeze-thaw cycles.
- Can be applied manually and sprayed on.
- Tixotropic product that can be used in vertical and intrados.
- Quick laying and finishing.
- Can be applied to the support from +5°C to +45°C.
- Operating temperature from -25°C to +90°C.

Field of application

Protective repair and restoration of concrete. Reconstruction of the metal rod cover, additional fillings, local repairs, sharp edges, etc.

Application

The surfaces to be treated have to be freed of all flaking and rough parts and dust until the healthy concrete is reached. The surfaces to be treated should be roughened by brooming, chiselling or, where possible, water jet or sanding. The roughening operation is essential to obtain the best possibilities of adhesion.

The exposed metal rods should be freed of the surrounding concrete and carefully cleaned to eliminate all rust, dust and nodules. Although this operation can be carried out by manual or mechanical brushing, the most reliable procedure for the cleaning of the metal rods is sanding or water jet.

Technical specifications

Colour	cement grey
Specific weight	2.1 Kg/l
Useful lifetime at 22°C	40 minutes
Consumption	1900 Kg/m ³
Expansion against resistance UNI 8147	> 0.03%
Adhesion to sanded conc Motorway method	> 8 MPa

Mechanical characteristics

40x40x160 mm test samples, 3.8 litres of water on 25 Kg

Compression resistance* UNI EN 196-	24 hours 30 ± 1 Mpa 72 hours 40 ± 2 Mpa 7 days 46 ± 2 MPa 28 days 65 ± 5 MPa
Bending resistance* UNI EN 196-1	24 hours 6 ± 1 MPa 72 hours 7 ± 1 Mpa 7 days 8 ± 1 MPa 28 days 9 ± 1 MPa
Elastic module, UNI 6556*	> 25,000 MPa
Storage	In the original sealed packs, kept in a dry, protected place at temperatures between +5°C and +35°C, the product will keep for 12 months. <u>Avoid frost.</u>

* Test samples seasoned for up to 72 hours, first in mould then in air at 22°C ≥ 90% RH

The figures and information contained in this schedule are based on the best practical experience and laboratory testing, but should be regarded as guidelines only. Taking the conditions of use and factors outside the control of MPM into account (type of support, weather conditions, laying methods, etc), the customer should check to ensure that the product is suitable for the type of use before proceeding. Our guarantee is limited to the quality and consistency of the finished product on the basis of the information set out above, and provided the technical schedules are stamped and signed by our authorised representative. The customer should also ensure that the information is valid for the batch of product to be used, and that this has not been rendered obsolete by later editions or the introduction of new formulations. The information set out above is subject to alteration by MPM without notice.