

Product

PLASTOSTAR N

cod. 6010 9006

READY TO USE, SELF-SUPPORTING, COMPENSATED SHRINKAGE MORTAR BASED ON HIGH RESISTANCE CEMENT, SYNTHETIC RESINS AND FINE SILICEOUS AGGREGATES.

Features

- Adheres to seasoned concrete.
- Highly tixotropic for ease of laying and smoothing.
- Fast hardening.
- Good waterproofing properties and resistance to aggressive agents.
- Good anti-carbonate resistance.
- Good mechanical characteristics.
- Can be applied to the support from +5°C to +40°C.
- Operating temperature from -25°C to + 90°C.

Field of application

- Volume restoration of concrete structures, including metal rod covers, sharp edges, loose foundations, compensation, etc.
- Protective or reinforcing trimming and plasterwork.
- Plastering and keying.

Application

Single component product to be mixed with water in proportions of 3.7 – 4 litres per 25 Kg.

Slightly higher quantities may be added for trimming applications.

The product should be mixed with water using a mechanical agitator or mortar blender for 3-5 minutes. The surfaces to be treated should be as healthy and compact as possible, and all the non-adhering layers and those with poor mechanical resistance should be carefully removed.

To ensure good adhesion, the support should be roughened by deep sanding or, preferably, brooming or water jet.

Exposed metal rods should be freed of surrounding concrete as far as possible and protected with STARFER 2 after cleaning.

The surfaces prepared in this way should be dusted and soaked thoroughly with water until the support is damp

upon application, but avoiding water deposits on the surface.

In hot and windy climates above all, this operation should be carried out with particular care to avoid application on dry or absorbent surfaces, which would have a negative effect on adhesion.

PLASTOSTAR N should be applied in one or more coats at an interval of at least 60 minutes in hot climates and at least 120 minutes in temperatures below 20°C:

- In the reconstruction of sharp edges, metal rod covers and local repairs in general, the maximum total thickness should not exceed 5-6, and any subsequent applications should have a maximum thickness of 2 cm. For coats around 2 cm thick it is possible to add 0.7-1,2 mm quartz at 10-20% in volume to PLASTOSTAR N.
- In trimming operations, plasterwork and for additional coats, the maximum total thickness should be kept around 2.5 cm and should be no less than 0.5 cm.

- At temperatures around 20°C, the applications may be smoothed with a wet trowel within 60 minutes of application. In the warmer months and for thin coats (0.5-1 cm), we always recommend wetting the applications at intervals throughout the day.

NOTE:

For applications requiring fast grip and the possibility of smoothing shortly after application, PLASTOSTAR N RAPIDO is available. This can be mixed in all proportions with PLASTOSTAR N as an accelerating agent, or during the winter months.

Technical specifications

Colour	grey
Specific weight	2.1 ± 0.05 Kg/l
Useful lifetime at 22°C	30 minutes
Consumption	1800 Kg/m ³
Adhesion to sanded concrete, UNI 9532	> 2 MPa

Mechanical characteristics

40x40x160 mm test samples 4 litres of water per 25 Kg_ _

Compression resistance* UNI EN 196-1	3 days 30 ± 2 MPa 28 days 45 ± 2 MPa
Bending resistance* UNI EN 196	3 days 5 ± 1 MPa 28 days 12 ± 1 MPa
Elastic compression module* UNI 6556	21,000 MPa ± 1,000
Storage	In its original sealed packs, kept in a dry, protected place at temperatures between +5°C and +35°C, the product will keep for 12 months.

*Test samples seasoned for up to 72 in mould, then in air at 22°C, 60% 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.