



MEGAPREM NF



ABOUT THE PRODUCT

It is a dry, premixed mortar fiber-reinforced based on cement and hydrated lime, which can be used for plastering and rendering on substrates made of thermobricks, lightweight cement blocks, expanded cellular cement and old masonry.

MEGAPREM NF can be completed with any kind of finishing, in particular with MEGAPREM NUOVO RC9 (white), MEGAPREM RASO F140 (grey or white) or with the common plaster finishes MEGAPREM T600.

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FEATURES

The careful choice of the raw materials and the modern technology of Premix S.p.A. plants produce an easy-to-apply plaster which is very light, workable and smooth. Fiber-reinforced mortars are best suited for plasters that will undergo severe stresses: the fibers – which actually constitute a genuine reinforcement – prevent the formation of cracks and, in case of very high expansion levels, cause the formation of widespread imperceptible microcracks which will not start breaking cracks.

Stresses in a plaster are mainly due to the instability of the cracked/anisotropic substrate, like for old masonry to be restored or, in case of new masonry, because of the use of thermobricks, lightweight cement blocks etc., where the expansion difference between the mortar joints and the masonry components causes the classic cracks that follow the layout of the masonry components.

The multi-propylenic fibers used in MEGAPREM NF are non-toxic, are weak acid- and alkali-resistant, and do not dissolve in water and organic solvents.

The natural admixtures assure good bonding to the substrate and a high water retention; they improve its thixotropy, which allows the laying of thick coats in a single application and decreases the friction against the rod and the finishing trowel.

Thanks to its strong bonding property, MEGAPREM NF can be applied to any kind of masonry (bricks, concrete blocks, tuff, etc.) If properly applied it shows no cracks, crackles, peeling nor dusting.

MEGAPREM NF – unlike other products – is not affected by the air humidity: therefore it is suitable not only for indoor plastering operations, but also for outdoor rendering.

Indoors, MEGAPREM NF is the ideal product for high-moisture locations such as kitchens, bathrooms, basements, wine cellars and garages.

MEGAPREM NF features a low resistance to the diffusion of water vapor and helps eliminating the problems caused by temperature differences, such as condensate, mildew and efflorescences.

The particular nature of the calcareous aggregate used in the mix – which is lighter than the sands commonly used – makes the fresh mortar made with MEGAPREM NF lighter than the cement- and hydrated lime-based products, which is very convenient for the user.

WORKING

MEGAPREM NF can be applied on every kind of subgrades, even on thermobricks, lightweight cement blocks, expanded cellular cement and old cracked masonry. However, in case of an insufficiently compacted subgrade, or on smooth concrete, we recommend to use either a primer or to apply a bonding coat like MEGAPREM 20A.

Clean all the surfaces from dust, grease substances, release agents and rusty spots. In hot weather and windy days – or when applying MEGAPREM NF on absorptive surfaces – dampen the walls and the ceiling before applying the mortar and protect the finished plastering. For better results, apply MEGAPREM NF with the plaster sprayer; however, it can be easily applied with the traditional trowel. The plaster is then leveled by using the aluminum rod. After the proper curing, the plaster can be finished using preferably MEGAPREM NUOVO RC9 (white), MEGAPREM RASO F140 (grey), or with MEGAPREM T600. To avoid bad performances and possible problems, do not apply this product when the temperature is below 5 °C.

SPECIFICATION CLAUSE

Shrinkage-controlled foundation plaster to be implemented with ready-to-use, fiber-reinforced mortars based on common lime, hydraulic binders and carbonate sands, like MEGAPREM NF, with compressive strength at 28 days over 3 MPa.

PACKAGING

MEGAPREM NF is supplied either in 25 kg paper bags on pallets. Keep the paper bags in dry places on their original wooden pallets. It is best used within 3-4 months from delivery.

MEGAPREM NF

FOR PROFESSIONALS

Mixing water	26 - 30%
Colour	Light grey
Yield	11,5 kg/m ² for 1 cm thickness
Granulometry	< 1,25 mm
Apparent bulk density	1,20 g/cm ³
Water retention	96 - 98%
Suggested thickness	10-50 mm
Initial setting at 20 °C	3 – 4 hours
Compressive strength after 28 days	> 3 Mpa
Flexural strength after 28 days	> 1,4 Mpa
Reaction to fire (EN 13501-1:2002)	Class A1
Adhesion	0,2 N/mm ² - FP:B
Resistance to water vapour (1015-19)	$\mu \leq 11$
Water absorption by capillarity (EN 1015-18)	W0
Thermal conductivity ($\lambda_{10, dry}$) (EN 1745)	0,53 W/mK (tabulated value P= 50%)
Durability	NPD
Application temperature	from + 5 °C to + 35 °C

The times shown in the above table – referred to 20°C and 60% Relative Humidity – are longer when the temperature is lower and shorter when the temperature is higher.

WARNING - The above indications and prescriptions correspond to our experience and are to be considered purely indicative. In addition, they must be confirmed by exhaustive and practical applications; therefore before using the product, who intends to use, has to establish whether it is suitable for the intended use and in any case it assumes any responsibility that may derive from its use.

SPECIAL WARNINGS

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