



Mapeplast FV

Compaction and fair-faced concrete enhancer



DESCRIPTION OF PRODUCT

Mapeplast FV is a liquid admixture which is ideal for improving the compacting properties and natural finish of concrete. It also eliminates air bubbles and unevenness on the surface of cast concrete.

WHERE TO USE

Thanks to its special formulation, **Mapeplast FV** improves the compacting properties of concrete when vibrated and, at the same time, creates a very even surface on the casting by eliminating air bubbles.

Mapeplast FV may be used for concrete belonging to different consistency classes as per EN 206.

Mapeplast FV is particularly recommended for the following:

- manufacture of precast elements with high quality surfaces, with either normal or accelerated curing times;
- casting of natural-finish elements, such as walls, pillars, cantilever roofs, etc.;
- manufacture of low-porosity, vibro-compressed elements with a particularly smooth surface.

TECHNICAL CHARACTERISTICS

Mapeplast FV is a blend of special components which improves the cohesion of the cementitious

matrix, eliminating unwanted air bubbles without affecting the fluidity of the mix.

Mapeplast FV does not have plasticising properties. Therefore, it is recommended to always combine the product with a superplasticizer to create fluid and highly fluid concrete.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeplast FV is compatible with other admixtures used in the manufacture of high-quality concrete, and especially with:

- all plasticisers and super-plasticisers from the **Mapeplast**, **Mapefluid** and **Dynamon** ranges of products, to increase their fluidity and improve their mechanical strength;
- chloride-free hardening accelerator admixtures of the **Mapefast** range to reach high mechanical strength after short curing times, even in cold weather;
- set-retarding admixtures of **Mapetard** range of products for applications which require a great retention of workability and control in setting;
- fly ash, used in the production of concrete with artificial pozzolan;
- form release agents from the **Mapeform Eco** line and **DMA** line used for stripping formwork from concrete;

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	liquid
Colour:	white
Density according to ISO 758 (g/cm³):	1.00 ± 0.02 at +20°C
Main action:	improvement of cohesion and surface finish
Soluble chlorides content according to EN 480-10:	< 0.1 (absent according to EN 934-2)

- **Mapecure** range curing compounds for protection against rapid evaporation of the water used for blending the mix, in concrete structures without formwork.

HOW TO USE

As per the characteristics of the product **Mapeplast FV**, it is recommended to always mix it before usage and to add it into the concrete mixer after all of (water, cement and aggregates). Mix well until a homogenous mix is obtained.

CONSUMPTION

Dosage by volume:

from 0.3 to 0.7 l per 100 kg of cement. Different dosages from those suggested must be previously tested through concrete trials, in addition to consulting MAPEI Technical Services Department.

PACKAGING

Mapeplast FV is available in 200 l drums or 1000 l tanks.

STORAGE

Mapeplast FV can be stored for 12 months in sealed containers protected from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeplast FV is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to use gloves, eyes protection and to take the usual precautions for handling chemical products.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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All relevant references for the product are available upon request and from www.mapei.com



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