



New Guard Coatings Group

A global reputation to protect.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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MAPETARD ES

Set-retarding admixture for rapid-setting cementitious mortars



WHERE TO USE

Mapetard ES is a liquid set-retarding admixture specifically developed to extend workability of the rapid-setting cementitious mortars **Planitop Smooth & Repair** and **Planitop Smooth & Repair R4**.

Some application examples

Mapetard ES is particularly recommended if the workability time of **Planitop Smooth & Repair** or **Planitop Smooth & Repair R4** needs to be extended due to particular site conditions or high temperatures.

TECHNICAL CHARACTERISTICS

Mapetard ES is a special, chloride-free liquid admixture in water solution made from active compounds according to a formula developed in the MAPEI R&D Laboratories. It delays hydration of the cement and, as a result, extends the workability time of rapid-setting cementitious mortar. When **Mapetard ES** is added at a rate of up to one 0.25 kg bottle for each 25 kg bag of **Planitop Smooth & Repair** or **Planitop Smooth & Repair R4**, it extends the excellent inherent workability of the mortar by 15-20 minutes.

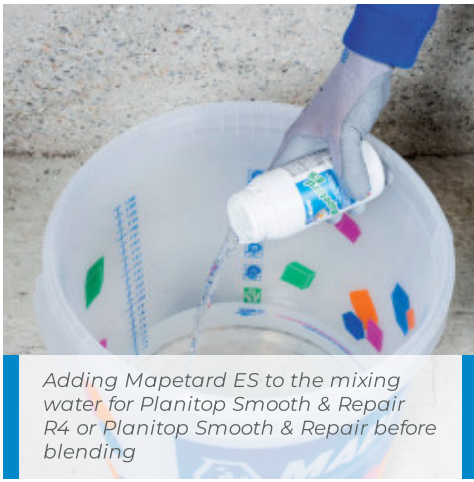
RECOMMENDATIONS

- Add **Mapetard ES** to the mixing water before adding the powdered mortar.
- Do not exceed the maximum recommended dose of **Mapetard ES**.
- Do not mix or dilute **Mapetard ES** with other admixtures.
- Do not expose bottles of **Mapetard ES** to the sun prior to use.
- Do not use **Mapetard ES** if the temperature is lower than +5°C.

HOW TO USE

Pour a bottles of **Mapetard ES** into a container with the mixing water required for the **Planitop Smooth & Repair** or **Planitop Smooth & Repair R4**. Slowly add a 25 kg bag of product while mixing with a drill at low speed and keep mixing to form a smooth, lump-free mix with a plastic consistency. For further information on the preparation of mortar mixed with **Mapetard ES**, refer to the relative technical data sheet for each product.

N.B.: Adding **Mapetard ES** to **Planitop Smooth & Repair** or **Planitop Smooth & Repair R4** allows the amount of mixing water to be reduced by 0.2-0.3 litres for each 25 kg bag.



Adding Mapetard ES to the mixing water for Planitop Smooth & Repair R4 or Planitop Smooth & Repair before blending



Adding Planitop Smooth & Repair R4 or Planitop Smooth & Repair to the mixing water mixed with Mapetard ES



Mixing Planitop Smooth & Repair R4 or Planitop Smooth & Repair

CONSUMPTION

One 0.25 kg bottle for each 25 kg bag.

PACKAGING

Boxes of twenty five 0.25 kg bottles.

STORAGE

Mapetard ES may be stored for 12 months in its original packaging protected from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapetard ES is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend using protective gloves and goggles 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.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	amber
Density (g/cm ³):	1.02
Main action:	delays initial hydration and extends workability
Water-soluble chloride content according to EN 480-10 (%):	< 0.1 (absent)

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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