

MAPECRETE U-PROTECTOR

Liquid surface treatment with water-repellent and protective effect for new or existing concrete floors. It's used for the protection of natural concrete, also in the polished version, and for Ultratop systems

DESCRIPTION

Mapecrete U-Protector is a water-based solution of modified polymers, used for the surface treatment of internal and external, new or existing horizontal cementitious substrates and cement-based floors made of **Ultratop** both in the polished or "Terrazzo" effect. It forms a microfilm which confers the surfaces an anti-stain and water-repellent protection. The treated support is more durable as it is more resistant to abrasion, it produces much less dust, it resists to UV and weathering and the formation of stains and efflorescence is greatly reduced; moreover, it is easier to clean and to maintain.

WHERE TO USE

Mapecrete U-Protector, thanks to its ability to give the treated surfaces greater resistance and durability, is suitable for use mainly on new or existing cementitious civil and industrial floors, where also the ease of cleaning and maintenance and the reduced formation of dust are important features, such as garages, hangars, shopping centers, workshops, warehouses, sidewalks, yards, manufacturing industries in general, restaurants, schools, museums, parking lots, etc. The treated surfaces are shinier and have greater resistance to stains of various kinds and the formation of efflorescence.

TECHNICAL CHARACTERISTICS

Mapecrete U-Protector is a product developed in the MAPEI R&D laboratories and it creates a continuous protective layer significantly reducing the absorption of water and keeping the dirt out of the treated flooring.

ADVANTAGES

- Ease of use and application.
- It improves the chemical and abrasion resistance of the treated substrates.
- It penetrates deeply, forming insoluble, mechanically and chemically resistant compounds.
- It reduces the formation of dust and makes the floorings easier to clean and maintain.
- It improves the aesthetics of the treated surface making it shinier and preserving it from the formation of stains and efflorescence.
- It increases the durability of the flooring.
- It keeps the substrate permeable to water vapor.
- It protects from the damage of de-icing salts, from weathering and from freeze-thaw cycles.
- Excellent water repellent and anti-stain effect.
- Weatherproof and UV resistant.

RECOMMENDATIONS

- Do not apply **Mapecrete U-Protector** on very dusty and/or crumbly or inconsistent substrates.
- Do not apply **Mapecrete U-Protector** on dirty surfaces, polluted by oils and/or greasy substances.
- Before applying **Mapecrete U-Protector**, check if the surface is homogeneously dry, without residual moisture and water stagnation.

- It is always advisable to carry out a preliminary test on a small portion of the surface to check for the presence of any non-visible and/or incompatible contaminants.
- Carry out preliminary tests on a small portion of the surface even when subsequent resinous products have to be applied, to check their adhesion and compatibility.

APPLICATION PROCEDURE

Mapecrete U-Protector is ready for use and only needs to be stirred before use.

The cementitious substrate to be treated must be perfectly clean and dry, free from pollutants, previous protective or anti-evaporating treatments, resin film coatings, dust, crumbly or detaching parts.

Do not use acid pH detergents for any washing or preliminary cleaning of the surface. If the surface has already been treated with detergents or acidifying products, such as pigments, a pH neutralization wash must be carried out before applying **Mapecrete U-Protector**.

Mapecrete U-Protector must be applied after 2-3 days after casting of concrete floors or **Ultratop** with a low-pressure pump by spraying it on the surface to be treated. After 2/6 hours, when the surface is dust-free, it is possible to apply a second coat (in this case it is suggested to distribute the still liquid product using a damp microfiber cloth).

When drying is complete, from 6 to 12 hours depending on the temperature and humidity of the substrate and the environment, **Mapecrete U-Protector** must be homogeneously polished using a high-speed polishing machine to allow the formation of microfilm.

For polishing and protection of both polished or Terrazzo surfaces, in concrete or **Ultratop**, **Mapecrete U Protector** has to be applied only after having completed all the polishing operations.

TOOL CLEANING

The equipment used for the preparation and application of **Mapecrete U-Protector** can be easily cleaned with soap and water. Once the product has hardened, removal can only be done by mechanical mean.

CONSUMPTION

0.05-0.40 kg/m². The consumption of the product is strongly influenced by the type of substrate and its absorbency and by the environmental conditions during installation.

PACKAGING

25 kg plastic drums.

STORAGE

12 months in its original sealed packaging, in a dry place and at temperature between + 5°C and + 40°C. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

For safe use of our products, refer to the latest version of the Safety Data Sheet, available on our website www.mapei.it.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

TYPICAL DATA OF THE PRODUCT

Consistency:	liquid
Colour:	milky white
Density (g/cm ³):	1.025
pH – ISO 4316:	8.5

WARNING

The information and prescriptions reported above, while corresponding to our best experience, are to be considered, in any case, purely indicative and must be confirmed by exhaustive practical applications; therefore, before using the product, anyone who intends to use it is required to establish whether or not it is suitable for the intended use and, in any case, assumes all responsibility that may arise from its use.

Always refer to the latest updated version of the technical data sheet, available on the website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website www.mapei.com.

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