

ECO PRIM MARINE

Acrylic resin-based water-dispersion primer with very low emission of volatile organic compound (VOC), adhesion promoter for cementitious mortars



WHERE TO USE

Eco Prim Marine is an adhesion promoter for cementitious materials. It can be applied directly on metal substrates, or sandwiched between two cementitious layers in indoor environments.

TECHNICAL CHARACTERISTICS

Eco Prim Marine is an easy-to-apply acrylic resin-based primer in water-dispersion, free from solvents. It is also resistant to water and ageing.

Eco Prim Marine is a dark gray, ready-to-use liquid. It can be applied by brush or roller.

Eco Prim Marine is non-flammable and its volatile organic compounds (VOC) content is negligible (EMICODE EC1 Plus).

APPLICATION PROCEDURE

Preparation of the substrate

Steel substrate

Preparation to ST3 grade according to ISO 8501-1.

Cementitious substrate

The substrate must be sound, free from cracks, loose parts and strong enough to ensure perfect bond for the subsequent coating. In general, the substrate must be free from dust and pollutants (for ex. oils, waxes, rust), and dry.

Application

Eco Prim Marine is ready to use and can be applied by brush or roller. Stir well before use.

At +23°C and 50% R.H., in a ventilated environment, the primer is dry after approx. 40 minutes. After this waiting time, it is possible to apply the coating.

In case of poor ventilation and/or high ambient humidity, the drying time may increase up to 5 hours (see the technical data table below).

To avoid contamination of the treated surface, it is suggested to apply the cement mortar right after the primer has dried. In any case, do not exceed 12 hours after drying of the primer.

CLEANING

Eco Prim Marine, while still fresh, can be removed with water from floors, coverings, tools and clothing. Once dried, it must be removed with alcohol or **Pulicol 2000**.

CONSUMPTION

On steel: 0.04-0.06 kg/m².

On cementitious substrate: - 0.07-0.10 kg/m² depending on the porosity of the substrate.

PACKAGING

Eco Prim Marine is available in 5 kg jerricans.

STORAGE

Under normal conditions, **Eco Prim Marine** is stable for at least 12 months in its original sealed packaging. Protect **Eco Prim Marine** from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.com.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	liquid
Colour:	dark grey
Density:	1.050 g/cm ³
Dry solids content:	28% (by mass)

APPLICATION DATA

Application temperature:	Substrate: minimum +10°C; air: from +10°C to +30°C
Drying with DFT= 30-35 µm	+23°C - 50% R.H.: - ventilated: 30-35 min. +10°C - 80% RH - ventilated: 4-5 hours +10°C - 80% RH - not ventilated: 5-6 hours

FINAL PERFORMANCE

Resistance to moisture:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oils:	good
Resistance to acids and alkalis:	good
Resistance to temperature:	excellent

CERTIFICATIONS AND CLASSIFICATIONS

IMO MED	Surface materials and floor coverings with low flame-spread characteristics: (e) adhesives used in the construction of 'A', 'B' & 'C' class divisions
EMICODE:	EC1 PLUS

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.

Please refer to the current version of the Technical Data Sheet, available from our 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.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

Mapei S.p.A.

Via Cafiero, 22, 20158, Milano



+39-02-376731



www.mapei.com



mapei@mapei.it

2938-10-2024 en (IT)

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

