

Eco Prim Marine

Water-Based. Acrylic-Polymer, Low-VOC Primer for Metal and Cementitious Surfaces



WHERE TO USE

Eco Prim Marine is a primer that promotes adhesion of cementitious products over metal or cement-based substrates, for interior applications.

TECHNICAL CHARACTERISTICS

Eco Prim Marine is a solvent-free, water-based, acrylic-resin-based primer that is water-resistant and resistant to aging.

Eco Prim Marine is a ready-to-use liquid that is easy to apply with a brush or roller and is dark gray in color to aid in application of a consistent coating thickness of the substrate.

Eco Prim Marine is nonflammable and rated to contain negligible (VOC) volatile organic compound content by the EMICODE EC1 Plus.

APPLICATION PROCEDURE

Preparation of the substrate

Steel substrate

Must be free from dust dirt, wax, oil, grease, rust or any other substance that would inhibit a strong bond. Prepare surface to ST3 grade according to ISO 8501-1.

Cementitious substrate

The substrate must be free of dust dirt, wax, oil, grease, rust or any other substance that would inhibit a strong bond. It also must be sound, well supported, and free from cracks and loosely bonded material.

Product application

Eco Prim Marine must be stirred well before use. Apply **Eco Prim Marine** by roller and/or brush to the properly prepared surface. Ensure in the application that the surface receives a complete thin film of product over the entire surface. The primer is colored black to make it easier during application to observe that there is an evenly applied coating. Allow **Eco Prim Marine** to dry completely before applying a cement underlayment, cement screed or another layer of **Eco Prim Marine**.

Eco Prim Marine typically dries in about 40 minutes at 73°F (23°C) and 50% relative humidity (RH) in a ventilated area. In cooler, poorly ventilated or more humid, ambient conditions, the drying time may be longer (see the Application Data chart for estimated times).

To prevent adhesion issues from jobsite contamination, it is best to apply the cement underlayment, or cement screed, as soon as **Eco Prim Marine** has dried or within 12 hours. If this time is exceeded, the surface must be cleaned and **Eco Prim Marine** re-applied.

Applying **Eco Prim Marine** in too thin or too thick of an application thickness can result in failure of the adhesion between the substrate and the cement underlayment, or cement screed, to be installed.

CLEANING

Eco Prim Marine can be cleaned with water, while still fresh, from application tools, floor surfaces, covers and clothing. When dried, it can be removed with alcohol.

COVERAGE/CONSUMPTION

Approximate DFT: 1.18 to 1.38 mils (30 to 35 µm)

Steel: 81 to 122 sq. ft./lb. (0.04 to 0.06 kg/m²)

Cementitious substrate: 49 to 69 sq. ft./lb. (0.07 to 0.10 kg/m²), depending on the porosity of the substrate

PACKAGING

Eco Prim Marine is available in a 11.02-lb. (5-kg) plastic jug.

STORAGE

Store **Eco Prim Marine** in a dry location at 73°F (23°C) and 50% RH. Shelf life is 1 year 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

PRODUCT INFORMATION	
Consistency	Liquid
Color	Dark gray
Density	1.050 g/cm ³
Dry solids content	28% (by weight)
APPLICATION DATA	
Application temperature	
Substrate	Minimum 50°F (10°C)
Ambient	50°F to 86°F (10°C to 30°C)
Drying time at 30-35 µm DFT	30 to 35 minutes at 73°F (23°C) and 50% RH in a ventilated area 4 to 5 hours at 50°F (10°C) and 80% RH in a ventilated area 5 to 6 hours at 50°F (10°C) and 80% RH in a nonventilated area
FINAL PERFORMANCE	
Resistance to moisture	Excellent
Resistance to aging	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

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (SDS) for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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 nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT INFORMATION

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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