

Marine Elastic 1000 Membrane



Product description

To be applied on porous and hard foundations surfaces as water proofing membrane layer in wet accommodation areas such as galleys, toilets, etc. before final floor covering with e.g. tiles.

Marlon Marine Elastic 1000 Membrane requires only light mechanical handling with a trowel, spatula or to achieve a very even and smooth surface for final floor covering.

By normal condition (20°C/68°F and 80% RH) Marlon Marine Elastic 1000 Membrane quickly attains a high surface strength and is walkable after 6-8 hours, depending of temperature. Final covering can be laid after 1-3 days. Note that the curing time depends on the substrate temperature and the ambient air temperature of the working area as well as the relative humidity. For special applications not covered in this product datasheet, please contact Marlon Marine for further advice and guidance. Marlon Marine Elastic 1000 Membrane meets all requirements according to IMO FTP Code 2010 part 5.

Product advantages

Marlon Marine Elastic 1000 Membrane is a special plastic-reinforced one component waterproofing membrane, based on polymer modified cement for all types of marine and offshore installations.

- Smooth surface, easy to apply
- Rapid drying, fast setting
- High flexibility
- One component, ready to mix

Surface preparation

Marlon Marine Elastic 1000 Membrane is to be applied inside ships on steel, galvanized steel, aluminum, concrete/cement-based, stone and ceramics, to protect against water penetration into the subfloor.

The surface must be clean, free from dust, grease, oils and other substances, which may impair the adhesion. The whole surface has to be primed with Marlon Marine Primer F and after the drying of the primer Marlon Marine Elastic 1000 Membrane may be applied.

Marlon Marine Elastic 1000 Membrane cannot be applied directly on zinc-rich shop primed surface, aluminum or galvanized steel. In such case, please contact Marlon Marine.

Mixing process

Marlon Marine Elastic 1000 Membrane is mixed with cold fresh water to produce an easy flowing compound (amount of water, please see product specification).

Important

The materials may not be exposed to moisture and freezing temperatures. The applied Marlon Marine Elastic 100 Membrane may not be exposed to freezing temperature, heat, sunlight and draft, before being fully cured.

Notice

The recommendations relating to the application and end use of Marlon Marine products are given in good faith based on our current knowledge and experience. The information and recommendations are given without warranty of any kind and does not lead to any further liability for Marlon Marine, besides what is stated in the sales agreement. It is the buyer or end-user's responsibility to investigate or in other way make sure that Marlon Marine's product are suitable for the intended use and further are stored, handled and applied in accordance with stated directions. All orders are delivered and accepted in accordance with Marlon Marine's general conditions of sale.



Product information

Material consumption

1.0 kg/mm/m² (5.20 lb/inch/ft²).

Application temperature

5-35°C (41-95°F).

Walkable

6-8 hours.

Thickness

1-5 mm (0.04-0.20 in).

Mixing ratio

4.8 liters (156 oz) of water per bags of 20 kg (44.1 lb)
24% of the dry weight of the material.

Pot life

Approx. 30 minutes at 20°C/68°F and 80% RH.

Shelf-life

Min. 12 months in unopened packaging.

Storage

In dry conditions, do not expose to moisture and freezing temp.

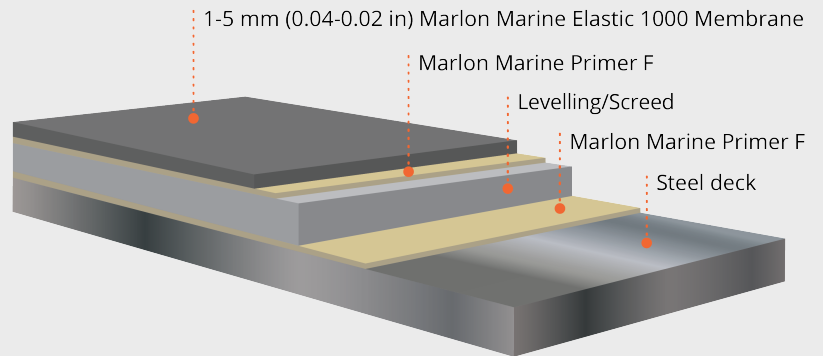
Packaging

20 kg (44.1 lb) bags on plastic wrapped pallets (50 bags per pallet).

Properties

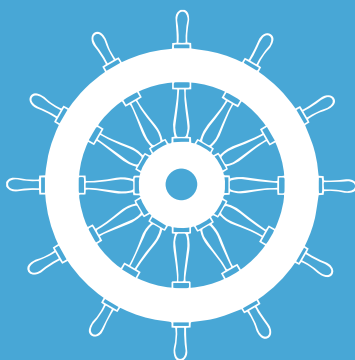
Bending Tear strength, 28 days	1.5 MPa (218 psi)
Final covering	1-3 days

Method



Information

Item no.	80035
Version	05.19 replaces -



A solid solution

