

# Marine 1600 SL



## Product description

Marlon Marine 1600 SL is a polymer modified cement-based self-levelling, pumpable and fine smoothing compound for steel-, galvanized steel- and aluminum decks in layer thicknesses from 2 to 30 mm (0,08-1,18 in).

By normal condition (20°C/68°F and 80 % RH) Marlon Marine 1600 SL quickly attains a high surface strength and is walkable after 1-3 hours, depending of temperature. Final covering can be applied 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. Marlon Marine 1600 SL can be applied by hand or applied by pump in bigger areas of application when using a mixer pump. The mixed Marlon Marine 1600 SL should be distributed over the surface using a steel trowel, toothed or flat spatula or spiked roller. Pot Life is approx. 20-25 min. Marlon Marine 1600 SL meets all requirements according to IMO FTP Code 2010 part 5.

## Product advantages

For marine and offshore installations in all types of dry accommodation areas before laying carpet, vinyl, tiles, etc.

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

## Surface preparation

Marlon Marine 1600 SL self levelling compound is to be applied inside ships on steel, galvanized steel, aluminum, concrete/cement- based, stone and ceramics and plywood boards, to level the surface before application of deck finishing materials such as: carpets, tiles, parquet, rubber and vinyl. For dense materials such as vinyl, epoxy coatings, membranes and for joint-free coating, etc., the remaining moisture has to be less than 5 %. For wet areas, please contact Marlon Marine for further information.

The shop-primed 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 1600 SL may be applied.

Marlon Marine 1600 SL 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 1600 SL is mixed with cold fresh water to produce an easy flowing compound (amount of water, please see product specification).

## Important

After application, the finished areas should be protected against direct heat, sunlight and draft during the curing process. The materials may not be exposed to moisture and freezing temperatures. The applied compound Marlon Marine 1600 SL may not be exposed to freezing temperature, heat, sunlight and draft, before being fully cured.

Slow drying due to low temperature and/or poor film formation due to high humidity as well as non-proper priming can cause pinholes in the leveling layer.

For special applications not covered in this product datasheet, please contact Marlon Marine for further advice and guidance.

## 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

1.6 kg/mm/m<sup>2</sup> (8.31 lb/inch/ft<sup>2</sup>).

## Application temperature

5-35°C (41-95°F).

## Walkable

1-3 hours.

## Layer thickness

1 mm - 30 mm (0.04 in - 1.18 in).

## Mixing ratio

4.7-5.0 liters (152-162 oz) of water per bags of 25 kg (55.12 lb)

19-20 % of the dry weight of the material.

## Pot life

20-25 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

25 kg (55.12 lb) bags on plastic wrapped pallets (42 bags per pallet), 1200 kg (2645.76 lb) big bags and loose in bulk.

## Properties

Compressive strength, 28 days > 40.9 MPa (5930 psi)

Bending Tear strength, 28 days > 9 MPa (1160 psi)

Flow rate 155-160 mm flow ring 50x22 mm (6.1-6.3 in)

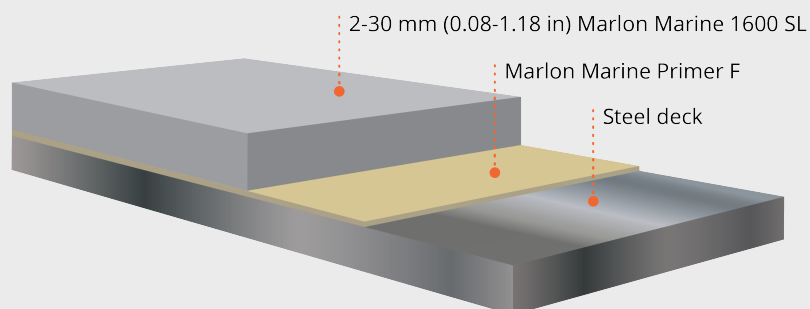
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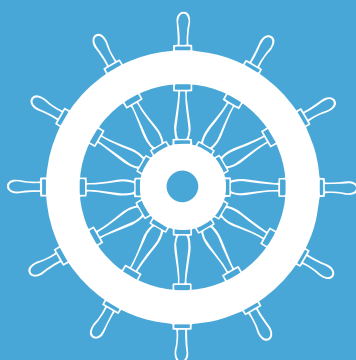
Tested according to FTP Code system and approved according to the IMO Marine Equipment Directives



## Information

Item no. 80001

Version 05.19 replace -



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