

Marine Mortar 900 SC



Product description

Marlon Marine Mortar 900 SC is cement based, plastic reinforced light weight screed compound for levelling of all types of subfloor incl. making slopes for shower, galleys, etc. to be use in all types of dry and wet accommodation areas. For wet accommodation areas, prior to the application of e.g. tiles, the substrate must be treated with a water resistant membrane (e.g. Marlon Marine Elastic Membrane). Before applying vinyl or carpet, it is recommended that a thin self-levelling layer, such as Marlon Marine 900 SL, Marlon Marine 1600 SL or Marlon Marine 1800 SL to be applied to level the floor. By normal condition (20°C/68°F) and 80 % RH Marlon Marine Mortar 900 SC quickly attains a high surface strength and is walkable after 3-4 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 Mortar 900 SC meets all requirements according to IMO FTP Code 2010 part 5.

Product advantages

For marine and offshore installations of dry and wet accommodation areas before laying carpet, vinyl, tiles etc. and other light traffic areas - mainly foot traffic.

- Not self-levelling Lightweight screed compound
- Rapid drying, fast setting
- Easy to apply
- Low shrinkage

Surface preparation

The shop-primed surface must be clean, free from dust, grease, oils and other substances, which may impair the adhesion. The whole shop primed surface has to be primed with Marlon Marine Primer F and after the drying of the primer, Marlon Marine Mortar 900 SC may be applied.

Marlon Marine Mortar 900 SC 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 900 SC (25 kg/55.12 lb) is mixed together with one bag of Marlon Marine Mortar Light Filler (50 litres = 23 kg/50.71 lb) and then mixed with cold fresh water to produce a workable screed mortar (amount of water, please see product specification).

Important

The materials may not be exposed to moisture and freezing temperatures. The applied Marlon Marine Mortar 900 SC 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

0.9 kg/mm/m² (4.68 lb/inch/ft²).

Application temperature

Min. 5-35°C (41-95°F).

Walkable

3-4 hours.

Minimum thickness

8 mm (0.32 in).

Maximum thickness

100 mm (4.0 in) for each layer.

Mixing ratio

8.6-9.1 liters (290-310 oz) of water per set of 48 kg (105.83 lb) 20-21 % of the dry weight of the material.

Pot life

25-30 minutes at 20°C/68°F and 80 % RH.

Shelf-life

Marlon Mortar 900 SC: min. 12 months in unopened packaging.
Marlon Light filler: no limit

Storage

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

Packaging

Marlon Mortar 900 SC:

25 kg (55.12 lb) bags on plastic wrapped pallets (42 bags per pallet).

Marlon Light Filler:

23 kg (50.71 lb) bags on plastic wrapped pallets (36 bags per pallet).

Properties

Compressive strength, 28 days 10.9 MPa (1581 psi)

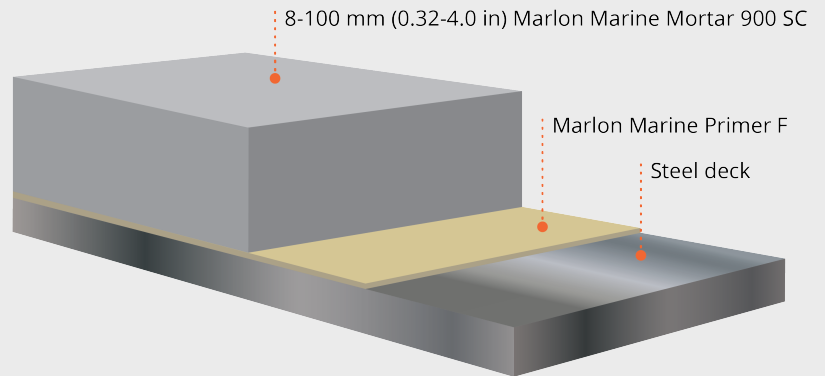
Bending Tear strength, 28 days 3.9 MPa (566 psi)

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

Method

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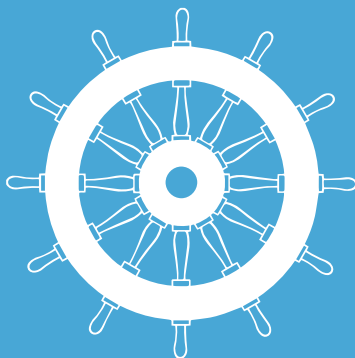
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Information

Item no. 80015

Version 05.19 replaces -



A solid solution

