

# Marine Repair 1800 FC

Fast-drying, repair compound



## Product description

Marlon Marine Repair 1800 FC is a cement-based, stable repair screed compound consisting of special cement, adhesives, mineral fillers and fine dried quartz sand. Marlon Marine Repair 1800 FC can be used for most repairs, filling holes, slopes and straightening uneven surfaces for most types of subfloors. Marlon Marine Repair 1800 FC is not suitable for outdoor use or areas with continuous water stress.

## 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.

- Rapid drying, fast setting
- Ready for covering after two hours
- Easy to apply
- High surface strength
- Only add water

## Surface preparation

The shop-primed surface must be clean, free from dust, grease, oils and other substances, which may impair adhesion. The whole shop primed surface must be primed with Marlon Marine Primer F and after the drying of the primer, Marlon Marine Repair 1800 FC may be applied. Marlon Marine Repair 1800 FC cannot be applied directly on zinc-rich shop primed surface, aluminum or galvanized steel. In such cases, please contact Marlon Marine.

## Mixing process

Marlon Marine Repair 1800 FC is mixed with cold fresh water to produce a workable screed mortar (amount of water, please see product specification). The water is poured into a bucket or container, and then the Marlon Marine Repair 1800 FC is added while stirring vigorously with a suitable mixing tool. The mixing time is 3-5 minutes, until the mixture is homogeneous and without lumps, and a workable paste-like consistency. Marine Repair 1800 FC is now ready for use and must be applied within 15 minutes.

## Application

The ready-mixed filler is applied to the surface with a suitable tool, e.g. a smooth steel trowel. Marlon Marine Repair 1800 FC can be applied in one work step in up to 50 mm (2.0 in) layer thickness. For layer thicknesses above 15 mm (0.59 in) up to 20 % oven-dried quartz sand 0.4-0.8 mm can be added. The processing time is approx. 15 minutes at 20 °C. Marlon Marine 1800 Repair FC is walkable after 1 hour and ready for covering after 2 hours. Lower temperatures extend and higher temperatures shorten the processing time.

## Cleaning

The tool must be cleaned immediately after use with water, once cured the material can only be removed mechanically.



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# Product information

## Material consumption

1,8 kg/mm/m<sup>2</sup> (0.37 lb/inch/ft<sup>2</sup>)

## Application temperature

Min. 5-35°C (41-95°F)

## Walkable

Approx. 1 hour.

## Minimum thickness

2 mm (0.08 in)

## Maximum thickness

50 mm (4.0 in) for each layer.

Thickness above 15 mm (0.59 in) - 20% dried quartz sand 0.4-0.8 mm (0.02 - 0.03 in) can be added.

## Mixing ratio

3.3 liters (116.14 oz) of water per bags of 15 kg (33.07 lb) 22 % of the dry weight of the material.

## Pot life

15 minutes at 20°C/68°F and 80 % RH.

## Shelf-life

Min. 18 months in unopened packaging.

## Storage

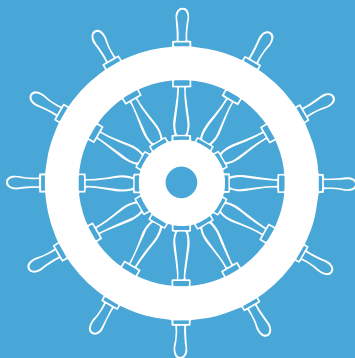
In dry conditions, do not expose to moisture and freezing temp.

## Packaging

15 kg (33.07 lb) bags on plastic-wrapped pallets (60 bags per pallet).

## 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 ways make sure, that Marlon Marine's products 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.*



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## Properties

Compressive strength, 28 days 39,8 MPa (5.772 psi)

Bending Tear strength, 28 days 10,3 MPa (1.494 psi)

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

## Method

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