

Poly-Marine *Anti-Skid System*

Product description

Poly-Marine system is a three component polyurethane system, designed as a flexible binder for anti-skid treatment to carriageways, road bridges, link spans, RO/RO ramps and decks, and the decks of multi-storey car parks.

Special aggregates (Dynagrip) have to be spread over the Poly-Marine slurry when it is still wet. Total thickness between 2-7 mm.

Surface preparation

Blacktop: Asphalt must be dry and clean, (free from dust, oil, etc.), it is not necessary to prime asphalt before applying Poly-Marine system.

Steel: The surface, threated with a normal shop primer, must be clean and free from dust, grit, rust, grease or any other dirt.

Galvanised steel: The surface must be grit blasted to get rid of the existing salts from the galvanized surface. The same primer and method as with steel must be used.

Aluminum: The surface must be grit blasted or grinded to get a good profile in the surface. A special wash primer for aluminum must be used.

Concrete and wood: The concrete must be dry, less than 5% humidity, and clean (free from dust, oil, etc.). EFA Deck primer must then be applied by brush or roller at an average rate of approx. 6-7 m² per litre. The primer must be allowed to cure to ensure that all the solvent has been flashed off before the Poly-Marine system may be applied. All surfaces should be clean and perfectly dry.

Primer

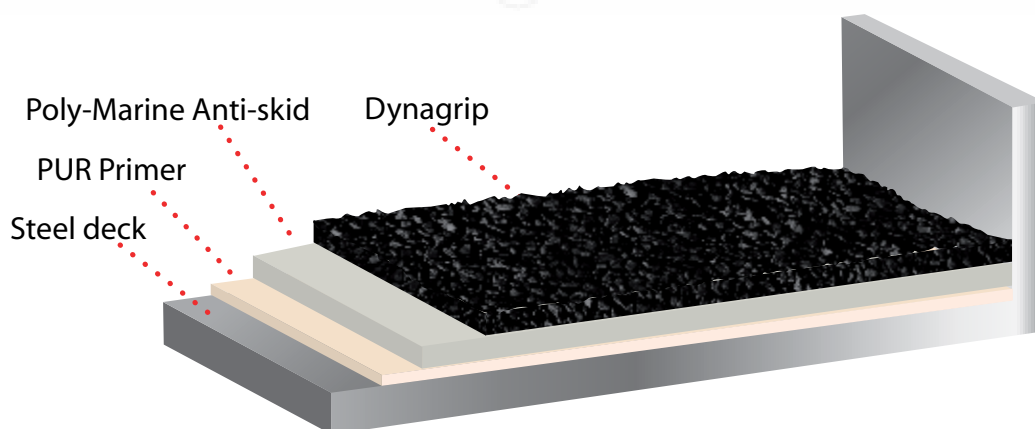
PUR Primer for steel and galvanized steel. Wash Primer for aluminum. EFA Deck Primer for concrete and wood. No primer is needed for asphalt.

Mixing and application

One set of Poly-Marine consists of three pre-weight components, total weight 20,8 kg. Mix the three components together and the Poly-Marine is ready for use.

Curing / dehydration

At +20°C and max 80 % relative humidity the compound will cure after approx. 2 hours, curing times depend on the temperature. Ready for traffic after approx. 3-4 hours.



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Technical description

Basis	Three component polyurethane system
Colour	Beige
Density	Approx. 1,4 kg/mm/m ² (applied)
Thickness	2 - 7 mm depending on the size of the Dynagrip Stone
Pot life	Approx. 15 minutes at 20°C and 80 % RH
Curing time	Setting time for walking, approx. 1-2 hours. Open to traffic after approx. 3-4 hours at 20°C
Recommended application temperature	Between +5°C and +35°C
Bending tear strength EN 13892-2	5 MPa
Compression strength EN 13892-2	5 MPa

Packaging

- 20,8 kg set - Poly-Marine
- 5 litres or 20 litres cans - EFA Deck Primer
- 5,5 litres or 11 litres sets - PUR Primer

Cleaning

Tools and equipment have to be cleaned with a solvent.

Shelf-life

The shelf-life is min. 12 months in unopened packaging.

Storage

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

For additional technical information, please contact our technical department.

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