

Flexible floor underlay, epoxy-urethane levelling mortar for carpet / tiles for marine vessels

Uses

Durafloor M provides a flexible, light weight, high bond, durable smooth underlay designed especially for marine applications.

Durafloor M will bond to most substrates used in marine constructions including steel and aluminium. It eliminates the surface imperfections of construction and provides a smooth surface to allow the efficient application of the finished profile material such as carpet or vinyl.

Advantages

- Seamless - eliminates joints, weld seams and other surface imperfections
- Self smoothing - provides an ideal finish for subsequent overlayment materials
- Flexible - will not crack or delaminate due to movement of the parent substrate
- High bond - tenaciously bonds to the prepared substrate
- Light weight - does not significantly add weight to the overall structure
- Readily sanded if required

Description

Durafloor M consists of a special blend of selected polyurethane resins, curing agents and inert lightweight fillers which, when mixed can be applied to provide a 1 mm - 10 mm flexible, smooth membrane topping with unique application and performance properties.

Technical Support

Parchem offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Properties

Material properties

Pot life:

Initial cure (light foot traffic):	24 hours @ 23°C
Final cure:	3 days @ 23°C
Service temperature range:	-10°C - 55°C

Physical properties

Elongation:	5%
Tensile bond to steel or alloy:	2 MPa

The above properties are typical of those achieved in practical application on site.

Application Instructions

Surface preparation (steel or aluminium)

Thorough surface preparation is vital. Mechanical preparation techniques such as grinding or blasting being preferred.

It is essential that Durafloor M is applied to sound, clean, dry surfaces in order to achieve maximum adhesion. The surface must be fine textured. Any excessive surface irregularities or deep profiles should be treated prior to application and advice from Parchem regarding suitable materials should be sought.

Priming

Once the surface has been fully prepared, it must be primed using Durafloor M Primer.

Thoroughly mix the full pack of primer and apply to the dry substrate, using a short haired roller, making sure that no dry areas are visible on completion. Do not apply thickly or allow ponding on the surface.

Mixing

It is recommended that the entire base and hardener components are mixed together for approximately 1 minute prior to the addition of the fillers.

Once all fillers have been slowly added, mix for a further 3 minutes using a slow speed Festo mixer or heavy duty drill and suitable paddle. Thoroughly mix all components of the product and commence application as soon as mixing has been completed. Do not mix material and leave standing. This is particularly important at temperatures above 25°C.

For applications where thickness is greater than 10 mm is required, information on special light weight aggregates is available through your local Parchem branch.

Placing

Pour the mixed material onto the surface either in pools at suitable centres or in a continuous strip, about 100 - 150 mm wide. The mixed material should be placed on the floor in quantities that the floor layer can handle comfortably.

The final material should be placed as closely as possible to the wet edge and applied using a flat edged trowel ensuring it links continuously to the previously applied material.

Cleaning

All tools and equipment should be cleaned with xylene or acetone available from Parchem. Ensure cleaning is done before the Durafloor M has started to cure.

Durafloor® M

Supply

Durafloor M is a three (3) component mix consisting of base resin, hardener and light weight fillers. The total volume of all components once mixed is 16 litres.

402400 - Durafloor M Base

402401 - Durafloor M Hardener

402402 - Durafloor M Fillers

402403 - Durafloor M Primer: 4 litre pack

Coverage

16 litres of Durafloor M will cover 8 m² at a 2 mm thickness.

4 litres of Durafloor M Primer will cover approximately 40 - 50 m² (typical metal surface).

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced. Typically, an additional 10% should be allowed for surface irregularities and wastage although this will vary with site conditions.

Shelf Life

Durafloor M has a shelf life of 36 months if kept in a dry place below 35°C in the original, unopened packs.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

