Eurogrip *Marine* Technical Data

DESCRIPTION

Eurogrip Marine is a high friction 'coat & scatter' system for use on marine and maritime applications. It comprises a heavy duty polyurethane adhesive slurry onto which high friction aggregate is scattered. This highly effective heavy duty surface is suitable for use on all types of vessel.

Used with 1-3mm size high friction aggregate.

APPLICATION PROCEDURE

Ambient temperature should be between 5°C and 30°C during application and cure. Dry weather conditions and a dry substrate are essential.

For low temperature application or application onto a ramp or steeply sloping surface refer to Optus technical department.

Surface preparation

STEEL	TIMBER
Remove all rust, mill scale and surface contamination from deck plates by grit blasting and other mechanical means to a bright rust free surface (SA2½). Oil and grease contamination should be removed with a suitable cleaning fluid/degreasant and the residue flushed off with water. Allow to dry thoroughly.	Timber must be **completely dry throughout** before considering treatment Timber contaminated by oils and greases, etc is not suitable for treatment. Lightly sand and sweep/vacuum clean. If possible timber products should be sealed all round.

Priming

- Prime within 4 hours of surface preparation (Europrime FM on steel, Europrime CT on timber)
- Allow to cure tack free (on average 2 hours).
- Eurogrip Marine should be applied within the following 10 hours, failing which the area should be reprimed.

Surfacing (Base & Aggregate Scatter)

Strict compliance with the mixing and laying procedure is critical - **mixing times must not be exceeded**.

Materials include Eurogrip Marine, which comes as 3 components. It is used in conjunction with the customer's chosen aggregate.

Pour the contents of Pack B into a suitable mixing vessel and mix using a drill and paddle until homogeneous. Whilst still mixing add the contents of Pack A and continue mixing for a further 20secs. Whilst still mixing slowly add the contents of Pack C and continue for 40secs until a homogeneous mixture is achieved.

Pour the mixed material onto the surface and immediately spread using a serrated squeegee - do not spread too thinly (refer to coverage rates).

Broadcast the chosen aggregate onto the surface ensuring that there is no resin showing through. Remove excess aggregate after about an hour.

COVERAGE & CURE

Both coverage and cure depend on ambient and surface temperatures, the type and condition of the substrate and the aggregate temperature and size.

Coverage of Eurogrip Marine shall not exceed the following:

- Foot traffic: 2.0 to 2.5kg/m^2 (av 10.2m^2/unit)
- Vehicle traffic: 2.5 to 3.0kg/m^2 (av 8.4m^2/unit)

Aggregate loading varies with the chosen aggregate size and type. Typically:

- Foot traffic: 5kg/m^2 (0.9 to 1.4mm agg)
- Vehicle traffic: 9kg/m^2 (1 to 3mm agg)

Always ensure that there is excess aggregate available on site to achieve full coverage prior to sweeping.

For functional applications calcined bauxite is used but other aggregates are available in a range of natural colours and sizes and in more vivid colours as coated aggregates.

Cure times are as follows:

- Initial set @ 20^{o}C: 1 hour
- Open to traffic @ 20^{o}C: 2½ hours

PACKAGING

Eurogrip Marine is supplied in 23 kg units and in 3 components. Packaging is 3ltr pot (pack A), 10ltr pot (pack B) and 10kg bag (pack C).

Aggregate is not included and must be purchased separately to the customer's specific requirements for anti-skid performance, colour and texture.

HEALTH & SAFETY

Refer to Health and Safety Data Sheets for each component of this product.

Optus
Surface Maintenance systems
Optus Resin Technology Limited
22 Tarran Way North, Moreton, Wirral, CH46 4UA, UK
tel +44 (0)151 604 0001 fax +44 (0)151 678 2819
www.optus.co.uk email info@optus.co.uk