

# Eurogrip *1500* Technical Data

## DESCRIPTION

A roller applied high friction coating comprising a polyurethane base and high friction grit. Medium duty for pedestrian surfacing applications.

## APPLICATION PROCEDURE

Ambient temperatures 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 onto a sloping surface refer to Optus Technical Department.

### Surface preparation

#### CONCRETE

Concrete surfaces must be at least 30 days old. Remove all contamination and detritus including oils and greases, laitance, algae, moss, etc. Lightly texture the surface by vacuum blasting /or other mechanical means, Remove residue by vacuum. Deep oil contamination to be removed using hot compressed air. Existing thermoplastic markings to be removed or worked around. Dry thoroughly.

#### Priming

Apply Europrime CT, and allow to cure tack free (on average 9 hours). Apply Eurogrip within 24 hours of tack free failing which the area must be reprimed. If left longer than 3 days the surface should also be lightly abraded.

#### STEEL

- Remove all rust, mill scale and surface contamination by grit blasting and other mechanical means to a bright rust free surface (SA2½).
- Remove oil and grease contamination with a suitable cleaning fluid and flush off residue with water.
- Allow to dry thoroughly.

For other non ferrous metals – refer to Optus.

#### Priming

- Prime immediately with Europrime FM following surface preparation.
- Allow to cure tack free (on average 2 hours).
- Eurogrip should then be applied during 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.**

Eurogrip 1500 is a 2 component system. It is used in conjunction with the customers 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 20 seconds.

Immediately roll the mixed material onto the surface to the specified coverage (do not spread too thinly).

Broadcast the chosen aggregate onto the surface ensuring that there is no resin showing through.

Remove any masking tape when resin starts to gel and excess aggregate when the surface becomes stable. This will vary with both product and ambient temperature.

### 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.

Eurogrip 1500 must be laid at a coverage between 1.3 and 1.5kg/m<sup>2</sup>.

Grit loading varies with the chosen aggregate size and type. Typically 5kg/ m<sup>2</sup> of 0.9 to 1.4mm grit would be needed.

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

Grit is available in a range of natural colours and sizes. High friction grit is usually calcined bauxite (this usually varies from buff to grey).

Curing times

- Initial set @ 20°C: 1 hour
- Open to traffic @ 20°C: 2½ hours

### TYPICAL PROPERTIES

- Relative density at 20°C: 1.44

Tensile properties to BS 2782 Pt3 after curing for 14 days in air:

- Tensile strength 8.0kN/m<sup>2</sup>
- Elongation at break 125% min

Adhesion properties to BS 24624:1993, pull-off test at 5 days:

- To timber , substrate cohesive failure at 2 kN/m<sup>2</sup>
- To concrete, substrate cohesive failure at 2 kN/m<sup>2</sup>

- To bitmac, substrate cohesive failure at  $<2\text{kN/m}^2$
- To steel  $6\text{kN/m}^2$

## **PACKAGING**

Eurogrip 1500 is supplied in 10kg units and in 2 components. Packaging is 2.5ltr pot (pack A) and a 10ltr pot (pack B).

## **HEALTH AND SAFETY**

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



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