

EuroGrip *STS* Technical Data

DESCRIPTION

Eurogrip STS is a high friction 'coat and scatter' for used Ro-Ro ferry link spans and similar. It comprises a heavy duty polyurethane adhesive slurry with a surface scatter of high friction aggregate. This highly effective extra heavy duty surface is suitable for use by all types of vehicle and 'tractor'. Suitable for use with 3-5 mm 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 steeply sloping surface refer to manufacturer.

Preparation

STEEL	TIMBER
<p>Remove all rust, mill scale and surface contamination by grit blasting and other mechanical means to a bright rust free surface (SA2½).</p> <p>Oil and grease contamination should be removed with a suitable cleaning fluid and the residue flushed off with water</p> <p>Allow to dry thoroughly.</p>	<p>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.</p> <p>If possible timber products should be sealed all round.</p>

Priming

Europrime FM	Europrime CT
<p>Prime within 4 hrs of surface preparation.</p> <p>Allow to cure tack free (on average 2 hrs). Eurogrip should then be applied during the following 10 hrs failing which the area should be reprimed.</p>	<p>Allow to cure tack free (on average 2 hrs). Apply Eurogrip within 24 hours of tack free failing which the area must be reprimed. If longer than 3 days the surface should be lightly abraded.</p>

Surfacing (Base & Aggregate scatter)

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

Materials include Eurogrip STS 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. Mix only one unit at a time.

Pour the mixed material onto the surface and immediately spread using a serrated squeegee 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 tape when resin starts to gel and excess aggregate when the surface becomes stable. This will vary with both product and ambient temperature.

COVERAGE AND 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 the resin base generally falls in the range of 4 to 5kg/m²

Aggregate loading varies with the chosen aggregate size and type but is typically between 12 and 14kg/m². The aggregate used is usually calcined bauxite.

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

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

TYPICAL PROPERTIES

Relative density at 20°C	1.6
Tensile properties to BS 2782 Pt3 after curing for 14 days in air	
Tensile strength	12 N/mm ²
Elongation at break	20% min
Adhesion to steel to BS 24624:1993, pull-off test at 5 days	
	5 N/mm ²

PACKAGING

Eurogrip STS is supplied in 25 kg units and in 3 components. Packaging is 3ltr pot (pack A), 10ltr pot (pack B) and 12kg bag (pack C).

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

HEALTH AND SAFETY

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



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