

Eurogrip 3000 Technical Data

DESCRIPTION

A three component, flexible PU surface treatment, for use with high PSV aggregates to give heavy duty skid, impact and abrasion resistance. Rapid curing (open to traffic within 3-8 hours of application) and suitable for application onto concrete, steel, asphalt and timber.

Eurogrip is a polyurethane resin system designed for use on roads (at junctions, roundabouts, and crossings), on car parks, on ships decks, at airports, on railway platforms, ferry terminals, etc. Generally the system is used where there is any possibility of slipping or skidding and where a surface must be treated and recommissioned quickly.

It can be supplied in its natural light brown to grey colour or a range of colours. It is used with a number of aggregate dressings from the high PSV bauxites to more decorative aggregates. Calcined bauxite (1-3mm) is commonly used for road traffic purposes with smaller or larger grades used depending on customer's requirements. If necessary the aggregate itself can be supplied with a coloured coating.

APPLICATION PROCEDURE

Ambient temperature should be between 5⁰C and 30⁰ 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 manufacturer.

Surface Preparation and Priming

SUBSTRATE	PREPARATION	PRIMING
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.	Apply Europrime CT, and allow to cure tack free (on average 2 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.
BITUMEN BOUND MATERIALS	The surface must be in reasonable condition and of sufficient strength to accept the surfacing (must not soften at high temperatures), not excessively smooth*, rutted, cracked or subject to aggregate ravelling, etc. It must be at least 30 days old and have a surface texture that will provide a good mechanical key eg/SMA or open graded materials (refer Optus). Sand carpet or materials using high penetration bitumen are generally unsuitable as substrates. Remove all	No primer required

	contamination including oils and greases. Existing thermoplastic markings to be removed or worked around. Sweep clean to remove all dust. Allow to dry thoroughly. *Depending on the condition of the surface it may need to be lightly textured.	
TIMBER	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.	Apply Europrime CT, and allow to cure tack free (an average 2 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 from steel 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.	Apply Europrime FM within 4 hours of 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.**

Materials include Eurogrip 3000, 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). No areas of the substrate should show through.

Broadcast the chosen aggregate onto the surface ensuring that there is no resin showing through. Remove any tape when the resin starts to gel and excess aggregate after the surface has become 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 grit temperature and size.

Coverage of Eurogrip 3000 shall not exceed the following:

- Foot traffic: 2.0 to 2.5kg/m² (av. 10.2/m²/unit)
- Vehicle traffic: 2.5 to 3.0kg/m² (av. 8.4m²/unit)

Aggregate (grit) loading varies with the chosen size and type. Typically it will be:

- Foot traffic: 5kg/m² (0.9 to 1.4mm grit)
- Vehicle traffic: 9kg/m² (1 to 3mm grit)

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

Aggregate is available in a range of natural colours and sizes and in more vivid colours as coated aggregates.

- Initial set @ 20°C: 1 hour
- Open to traffic @ 20°C: 3 hours

PACKAGING

Eurogrip 3000 is supplied in 23kg units and in 3 components.

Packaging is in 3 litre pots (pack A), 10 litre pots (pack B) and an 11kg bag.

CLEANING

Eurosolve should be used for cleaning tools, etc.

HEALTH AND SAFETY

Gloves, overalls and barrier cream should be used when working with Eurogrip. For full details please refer to the appropriate Health and Safety Data Sheet.



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