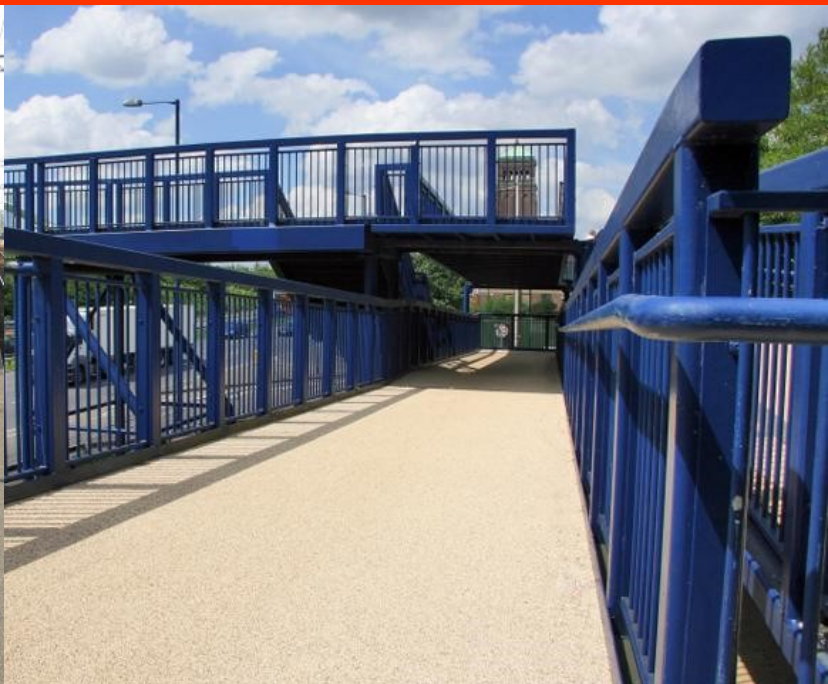


# EUROGRIP SYSTEMS

## Anti-Skid Coatings for Pedestrian and Vehicular areas



### Description

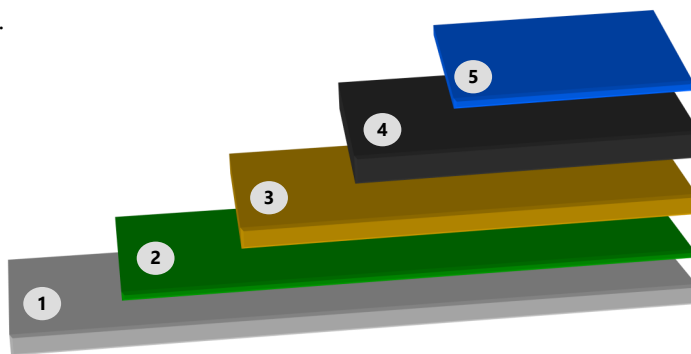
Eurogrip systems are high performance, heavy and medium duty polyurethane based, high friction surfacing system designed for Roads, Footpaths, Bridges, Railway platforms, Car parks and Commercial premise giving excellent slip and skid resistance.

### Benefits

- Hardwearing and capable of withstanding heavy vehicular and pedestrian traffic.
- Rapid installation and fast cure, ensuring areas are returned to use within 2.5 hours @ 20°C.
- Excellent adhesion to suitably prepared substrates.
- Flexible and durable giving a long life.
- Solvent-free.
- Quick, easy and cost effective application.
- Cold applied self-leveling polyurethane system applied by squeegee.
- Low temperature cure, down to 5°C.
- Seamless and aesthetically pleasing.

### System

- 5 Sealcoat (Optional)
- 4 High Friction Aggregate
- 3 Eurogrip
- 2 Primer (Substrate dependant)
- 1 Substrate



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### Eurogrip 3000

Resin	2.5-3.0kg/m <sup>2</sup> (av. 8.4m <sup>2</sup> /unit)
Aggregate (After excess removed)	9kg/m <sup>2</sup> (1-3mm)

### Eurogrip 1500

Resin	1.3-1.5kg/m <sup>2</sup> (av. 6-7m <sup>2</sup> /unit)
Aggregate (After excess removed)	5kg/m <sup>2</sup> (0.9-1.4mm)

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

### Potlife

15 min @ 20°C

### Cure

Initial set:	1 hour @ 20°C
Open to traffic:	2 ½ hours @ 20°C

### Finished weight of system

Eurogrip 3000	11.6kg/m <sup>2</sup>
Eurogrip 1500	6.5kg/m <sup>2</sup>

### Temperature

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

Recommended temperature range for storage, transport and application is: 5°C and 28°C.  
Please contact Optus for other conditions.

### Other products

Contact Optus for other products in the Eurogrip range.

### Technical information

#### Tensile (BS EN ISO 178:2003)

Tensile strength	4.5N/mm <sup>2</sup>
Elongation at break	60% min

#### Adhesion (BS EN ISO 4624:2003) - 5 Day pull off test

Timber - cohesive failure	2N/mm <sup>2</sup>
Concrete - cohesive failure	2N/mm <sup>2</sup>
Asphalt - cohesive failure	<2N/mm <sup>2</sup>
Steel	6N/mm <sup>2</sup>

For other substrates, contact Optus.

Relative density of resin mix, not including aggregate.	1.44 @ 20°C
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### Aggregates

The most commonly used aggregate is naturally grey emery, depending on the friction requirements of the aggregate.

### Sealcoats

If the aggregate you require is not available because of colour or size, a coloured finish of your choice can be achieved by using a coloured sealcoat.

### Packaging

Eurogrip systems are supplied in various unit sizes

Eurogrip 3000:	Pack A - Hardener:	2.5L pot
23kg	Pack B - Resin:	10L pot
	Pack C - Filler:	11.5kg bag

Eurogrip 1500	Pack A - Hardener:	2.5L pot
10kg	Pack B - Resin:	10L pot

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### Surface preparation

Ambient temperatures should be between 5°C and 28°C during application and cure. **Dry weather conditions and a dry substrate are essential.** For low temperature application or application on to a sloping surface refer to Optus Technical Department.

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 systems within 24 hours of tack free failing which the area must be re-primed. 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 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.	No primer required
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 (on average 2 hours). Apply Eurogrip systems within 24 hours of tack free failing which the area must be re-primed. 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 blast profile 90µ-120µ). Remove oil and grease contamination with a suitable cleaning fluid/degreaser and flush with water. Allow to dry thoroughly. Small or inaccessible areas must be prepared by disc abrading to ST3, followed by wiping down with a light hydrocarbon solvent, eg xylene.	Apply EuroPrime FM within 4 hours of surface preparation. Allow to cure tack free (on average 2 hours). Eurogrip systems should then be applied during the following 10 hours failing which the area should be re-primed.
ALUMINIUM	<p>For Non-anodised aluminium thoroughly clean and degrease the surface. Use commercial detergents, steam cleaners or pressure washers. Be sure all detergent residue is rinsed from the surface. Solvent wipe and allow to dry thoroughly.</p> <p>For anodised aluminium thoroughly clean and degrease the surface. Use commercial detergents, steam cleaners, or pressure washers. Be sure all detergent residue is rinsed from the surface, abrade the surface by using 80-120 grit paper to 'break' the anodised surface to ensure adhesion of the primer/coating. Solvent wipe and allow to dry thoroughly.</p>	<p>No primer required, if applying Eurogrip systems immediately.</p> <p>If application is going to be delayed, apply EuroPrime FM to avoid oxidation. Allow to cure tack free (on average 2 hours). Eurogrip systems should then be applied during the following 10 hours failing which the area should be re-primed.</p>

**Note: before use on slopes, please contact Optus for advice**

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### Application

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

Materials include Eurogrip, a 2 or 3 component polyurethane resin. It is used in conjunction with the customer's chosen high friction 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.

If using Eurogrip 1500, 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.

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. If using Eurogrip 1500, roller apply.

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.

### Cleaning

Safesolve should be used for cleaning tools, etc.

### Health and Safety

Gloves, overalls and barrier cream should be used when working with Eurogrip systems.

For full details please refer to the appropriate Health and Safety Data Sheet.

The information given in this product, technical and application data sheet is given in good faith, based on current knowledge and experience but we have no control over the quality or the conditions of the substrate or the many differing factors affecting the use and application of the product. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.