



A **SHERWIN-WILLIAMS** Company



REF : GPST 2016 06

Resugrip

DESCRIPTION

Resugrip is a 3 component, high build solvent-free un-pigmented polyurethane binder for surface dressing with aggregates to create non-slip textured floor finishes.

Resugrip systems can be used in interior or exterior situations on a variety of substrates to provide high wear resistant anti-slip finishes.

ADVANTAGES

- Excellent slip resistant finish
- Extremely hard wearing
- Can be decorative through using coloured aggregates
- High bond strength
- Will cure at temperatures down to 5°C

RECOMMENDED USES

- Theme parks
- Public pathways
- Public concourse areas
- Loading bays
- Walkways around buildings and factories
- Demarcation of non-slip areas

PRODUCT INFORMATION

System thickness (dry)	Solids content	Pack sizes	Pack make up	Shelf life	Storage
2mm (Including Aggregate)	100%	29 Kg.	1 X Base 1 X Hardener 1 X Aggregate Bag	12 Months (Base & Hardener) 12 Months (Aggregates)	Keep out of direct Sunlight. Store in a dry place.

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
29 kg. will cover 7 m ² @ 2mm	10 minutes (From Mixing)	4 Hours	5 Hours	12 Hours	3 - 5 Days



Specification

Product : Resugrip

Finish : Textured Finish with aggregate added

Thickness : 2 - 3mm

Colour : Buff resin with aggregate scatter

Products required for this system

Prime : Resuprime if required

System : Resugrip

Surface Seal : Resutop Clear

Preparation

To achieve the best performance from **Resugrip** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm². All surfaces must be prepared by vacuum blasting or mechanical abrasion.

All surfaces to be treated with **Resugrip** should be clean and free from loose particles, oil and grease. Surfaces should be mechanically abraded to provide a good mechanical key.

Priming

Non porous substrates require thorough preparation but do not require priming. Porous substrates require priming with **Resuprime** at an average rate of 4 m²/kg. **R.S. Dampshield** should be applied if the relative humidity of the concrete is greater than 75% RH at 4 m²/kg, allow to cure for 8-12 hours @ 20°C .

Steel decking must be clean sound and free from rust, and primed with **Resuprime ZP**.

Resugrip is supplied as a pre-weighed resin, hardener and aggregate, splitting units is not recommended.

Application

When the primed surface is tack free **Resugrip** should be applied at the required rate as soon after mixing as possible. (Delay can result in variation in surface finish, colour and add to application problems.)

Mix the resin base prior to adding the hardener and mix for a minimum of 1 minute. Add the aggregate and mix for a further 2 minutes or until a lump free consistency is produced using a drill and paddle without entraining air. Apply with trowel or pin rake to an average 2mm thickness and spike roller to remove air and aid levelling. Immediately apply surface dressing 1-3 mm dust free aggregates, by broadcasting onto the wet **Resugrip** resin base at a typical rate of 3kg per m². Different aggregate types will provide varying degrees of slip resistance.

Typical hard wearing aggregates would be: - bauxite, granite, aluminium oxide, silicon carbide. NB. **Resugrip** is supplied as a resin system, the aggregate for surface dressing must be ordered separately and 2 - 4 kg/m² is recommended depending on size.

Category Guide

FeRFA Category : 4

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance Dry > 65, low slip potential
Method BS7976 pt1-3 2002 Wet Please consult RSL

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult RSL.

Abrasion Resistance Average Depth of Wear (mm)
Method BS8204 /ASTM D4060 n/a

Temperature Resistance Tolerant of sustained temperatures of up to 65°C

Chemical Resistance Good Chemical Resistance
Consult RSL on specific materials

Compressive Strength n/a

Flexural Strength n/a

Tensile Strength n/a

VOC < 5g/l

Calculation based on a full mixed unit

Life Expectancy 5 years plus

Subjected to Industrial Traffic
RSL terms and conditions will apply

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BSEN 13813 SR B 3.5- AR 0.5 - IR>4

Resin coating/screed for use inside buildings as per RSL data sheet
Wear resistance: AR 0.5
Bond strength: B >3.5
Impact resistance: IR 9

Maintenance and Cleaning

RSL recommend that **Resugrip** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover, R.S. Fats & Grease Remover & R.S. Oil Remover**.

All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resugrip is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.

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