



A **SHERWIN-WILLIAMS** Company



REF : TERR 2016 06

Terrain

DESCRIPTION

Terrain is a flecked epoxy resin floor providing a hard wearing, seamless finish, suitable for application onto both new and existing floors, with excellent adhesion. Terrain can be applied to concrete and other surfaces following appropriate preparation provided the substrate is sound and clean. Seal coat's are applied to ensure an impervious Matt finish.

ADVANTAGES

- Hard wearing & durable
- Easy to apply to achieve a smooth finish
- Can be used for localised repairs
- Decorative - available in a range of colours
- Abrasion & impact resistant
- Can be used to form coving
- Can be used to create falls

RECOMMENDED USES

- Industrial units
- Retail outlets
- Custody Suites and Prisons
- Schools & colleges
- Supermarkets
- Pharmaceutical areas
- Public reception areas

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
5 mm	100%	25 kg.	25 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, not below 15°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat tme	Light traffic	Full traffic	Full chemical cure
25 kg. will cover 2.5 sq m @ 5mm thickness	30 minutes From mixing	For Seal Coats 12-16 Hours (Depending on Temperature)	24 Hours	72 Hours	Up to 7 Days



Specification

Product : Terrain

Finish : Smooth or Lightly Textured Coloured Finish

Thickness : 5mm

Colour : Available in a Range Colours

Products required for this system

Primer : Resuprime or R.S Dampshield

System : Terrain

Surface Seal : R.S. Screed Seal, Resutop Clear and Resupen WB Matt Clear

Preparation

To achieve the best performance from **Terrain** 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.

Priming

Terrain can be applied onto a wet tack coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 sq.m. per kg. Very rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a tack coat is applied. Alternatively the surface of the wet primer can be scattered with a coarse grade kiln dried sand such as 14/25 mesh and then allowed to cure. **Terrain** must then be applied within 24hours.

If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (number of coats dependent on moisture content).

Application

The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 5°C.

Terrain should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down. Over-working the material will draw fines to the surface which may result in resin-rich spots and finish variations.

The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure.

Terrain is normally sealed by the application of one coat of **R.S. Screed Seal** at a rate of 3-4 sq m per kg. This would be followed by a further coat of **R.S. Screed Seal** or **Resutop Clear** at a rate of 3-4 sq m per kg. and then **Resupen WB Matt Clear**.

Coving

At 100mm nominal height, one 25 kg. unit of **Terrain** will typically form up to 12 linear Meters of coving which must be applied onto **R.S. Tack Primer** tack coat. Coving can be taken to a height of 300 mm if required.

All coving can be sealed using a variety of seal coats listed in the RSL range such as **R.S. Screed Seal**, **Resutop Clear** and **Resupen WB Matt Clear** to match the floor finish as required.

Maintenance and Cleaning

RSL recommend that **Terrain** 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

Category Guide

FeRFA Category : 6

Technical Information

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

Slip Resistance Dry > 50
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 n/a
Method BS8204 /ASTM D4060

Temperature Resistance Tolerant of sustained temperatures of up to 60°C @ 6mm

Chemical Resistance Excellent Chemical Resistance
Consult RSL on specific materials


Compressive Strength > 50 N/mm²

Flexural Strength > 10 N/mm²

Tensile Strength > 15 N/mm²

VOC < 5 g/l
Calculation based on a full mixed unit

Life Expectancy 6 year plus
Subjected to Industrial Traffic
RSL terms and conditions will apply

	
Resin Surfaces Ltd Titan House, Lowick Close, Newby Road Industrial Estate Hazel Grove, Stockport. SK7 5ED	
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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 > 4

Health and Safety

Terrain 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 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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