RSL
RESIN SURFACES LIMITED
A SHERWIN-WILLIAMS Company

REF : PRDA 2016 06

R.S.Dampshield

DESCRIPTION

R.S. Dampshield is a two-component epoxy resin surface applied membrane that is tolerant of residual moisture in concrete floors. This enables earlier access onto new concrete substrates for the application of screeds, coatings and other floor coverings including carpets, tiles, vinyl and wood.
R.S. Dampshield is also used for existing concrete slabs where there is no damp proof membrane or where a degree of moisture tolerance is required for a resin floor system being installed.

ADVANTAGES

- Easy application
- Application onto substrates with hygrometer readings up to 97%
- Solvent free
- Low odour
- Excellent adhesion

RECOMMENDED USES

- Concretes with no dpm
- Where a dpm is ineffective
- Polymer screeds
- Cementitious underlayments

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns	100%	5 kg. & 15 kg.	1 x Base 1 x Hardener	12 Months (Base & Hardener	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 time	Light traffic	Full traffic	Full chemical cure
5 Kg. will cover 20 sq m @ 200 microns thickness	30 Minutes from mixing	8 hours or once surface has lost tack-iness	24 Hours	72 Hours	Up to 7 Days

CPD CERTIFIED Construction CPD Certification Service
nbsPlus
riba product selector
Campden BRI food and drink innovation
BCF BRITISH COATINGS FEDERATION
MADE IN THE UK
FeRFA Resin Flooring Association

Specification

Product : R.S.Dampshield

Finish : Semi Gloss

Thickness : 200 Microns

Colour : Clear

Products required for this system

Prime : R.S.Dampshield

System : As RSL specification

Surface Seal : As RSL specification

Preparation

New Concrete Floors: New concrete must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm2 is required.

Existing Concrete Floors: Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**.

All traces of concrete hardeners or other contaminants must be removed. The surface must be thoroughly vacuumed to remove concrete dust and then protected against further contamination by suitable means. Surfaces must be free from liquid water and the atmosphere must not be condensing.

R.S.Dampshield can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

Specification :-

The system is selected on the basis of hygrometer readings in accordance with **BS 8203**. The number of coats to be applied is chosen in accordance with the following table.

Relative Humidity Reading %	Required Coating Thickness
75-85	1coat of R.S.DAMPSHIELD at 200 microns per coat
85-92	2coats of R.S.DAMPSHIELD at 200 microns per coat
92-97	3coats of R.S.DAMPSHIELD at 200 microns per coat

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 system. Surface temperature must be above 5°C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: Mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

The mixed unit should be applied immediately by roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Category Guide

FeRFA Category : 2

Technical Information

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

Slip Resistance	Dry n/a
Method BS7976 pt1-3 2002	Wet n/a

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 temperatures up to 60°C
Chemical Resistance	n/a
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	84 g/l Calculation based on a full mixed unit
Life Expectancy	Dependant on floor system

Health and Safety

R.S. Dampshield 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.

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