RS Dampshield Data Sheet

Specification notes

Product: RS Dampshield

Supplier:

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R.S. Dampshield

DESCRIPTION
R.S. Dampshield is a two-component epoxy resin primer 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 underlaiments

PRODUCT INFORMATION
System Thickness (Recommended) 200 microns DFT
Solids Content 100% solids by weight
Pack Sizes 5 kg & 15 kg
Pack Make Up 1 x Base 1 x Hardener
Shelf Life 12 months (Base & Hardener)
Storage Keep out of direct sunlight. Store in a dry place, not below 15°C.

APPLICATION INFORMATION at 20°C
Coverage Rate (Theoretical) 5 kg will cover 23m² at 200 microns WFT
* Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life 30 minutes
Recoating Intervals 8 hours or once surface has lost tackiness
Light Traffic 24 hours
Full Traffic 72 hours
Full Chemical Cure 7 days
Surface Seal: As per specification

Preparation

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

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out with Resupatch or Resuscreed 45.

Existing Floors (previously coated)

All previous coatings and loose floor paints must be removed by floor coating. adhesion and suitability, as it may not be compatible with existing floor coating. Where the Relative Humidity of a substrate exceeds 75% EH%, 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.

Priming

Where the Relative Humidity of a substrate exceeds 75% EH%, R.S. Dampshield should be specified and 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.

<table>
<thead>
<tr>
<th>ERH%! Required Coating Thickness</th>
<th>Coating Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-85</td>
<td>1 coat of R.S. DAMPSHIELD at 200 microns per coat</td>
</tr>
<tr>
<td>85-92</td>
<td>2 coats of R.S. DAMPSHIELD at 200 microns per coat</td>
</tr>
<tr>
<td>92-97</td>
<td>3 coats of R.S. DAMPSHIELD at 200 microns per coat</td>
</tr>
</tbody>
</table>

For Further information please refer to recommended individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 15°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 10°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: Pre-mix the base component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used for mixing ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two to three minutes until the two components have fully combined.

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

Coverage rates may vary depending on profile and porosity of the substrate.

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