



A **SHERWIN-WILLIAMS** Company



REF : RSBU 2016 06

Resubind UV

DESCRIPTION

A light stable polyurethane binder system for use with a wide variety of clean and dry aggregates to create stone bound carpet systems. This two-pack plus catalyst product is designed to provide a tough and durable surface which is light stable for use in both internal and external applications including vehicle driveways.

NB :The Resubind system must have the catalyst added, which can be adjusted to control the speed of cure.

ADVANTAGES

- Durable
- Light stable
- Easy to mix and use
- Low viscosity
- Used with wide variety of decorative and functional stones
- Can be laid at a range of thicknesses to consolidate repair and unify surfaces
- Compatible with a wide range of substrates

RECOMMENDED USES

- Formation of stone carpets for internal and external use
- Domestic driveways, walk ways, decking horticultural and architectural features
- Vehicle showrooms and lobbys
- With rubber crumb systems for play areas
- Sports areas
- Balconies , decks and hallways

PRODUCT INFORMATION

| System thickness (dry) | Solids content by weight | Pack sizes | Pack make up | Shelf life | Storage |
|--|--------------------------|----------------|--|--------------------------------|---|
| 5mm to 20mm Dependant on aggregate size and shape | 100 % | 1.5 kg 6 kg | 1 X Base 1 X Hardener 1x Catalyst Aggregate supplied separately | 12 Months (Base & Hardener) | Keep out of direct Sunlight. Store in a dry place, not below 15° C |

APPLICATION INFORMATION at 20°C

| Coverage rate | Pot life with Catalyst | Recoat time | Light traffic | Full traffic | Full chemical cure |
|--|------------------------|-----------------------|---------------|--------------|--------------------|
| 1.5 kg Mixed resin to 25 kg aggregate pack covers 2m ² @ 7 mm | 12-18 hrs | Recoat once tack free | 3-8 Hours | 24 Hours | 2-3 Days |



Specification

Product : Resubind UV
Finish : Clear gloss
Thickness : Nominal 7 mm @2 m²/unit
Colour : Clear

Products required for this system

Primer : RS Dampshield

System : Resubind UV with catalyst which must be added

Surface Seal : Improved slip resistance may be achieved with the application of a top coat, consult RSL Technical department for further information

Resubind Catalyst Solution : Supplied as a separate pack which must be used with the resin system to activate and control the speed of cure. This is normally used at between 5 and 10 ml per full 1.5 kg mix (20-40 ml per 6 kg unit). The level of addition is to be established on site and will be dependant on the site substrate and materials temperature and conditions at the time of application. It is recommended that only the minimum necessary to achieve the required cure is used, excess will severely affect the working time for the product.

Typically 5 ml per 1.5 kg unit pot life 30 min at 20°C
10 ml per 1.5 kg unit pot life 10 min at 20°C

Preparation

Resubind UV must be laid onto dry surfaces, and with a temperature of >7°C

Internal New 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 30N/mm² is required. For substrates with moisture readings of 75 % ERH or above considerations should be given to the use of **R.S.DAMP SHIELD** as a barrier coat

Existing 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. Surfaces must be thoroughly rinsed and dried before application of Resubind finishes.

External application: All surfaces must be clean sound and dry at the time of application, care must be taken to ensure that conditions remain suitable with no rain/condensation for the period of cure. The surface/substrate must be continuous and sound, and of a suitable composition to provide support to the laid surface.

Application Method

Ensure that all preparation and ground works are completed, and that a suitable surface remains, that is both uniform in density and suitable for the application of the product. Edges/borders should be determined and any supporting battens fixed at the required height to allow for the correct placement of the mixed product.

Only once the site is completely ready, should the base resin and hardener be mixed. (Note, this provides a mixed base with a long pot life >8 hrs. and on larger jobs the mixed resin can then be added to the mixer with the catalyst and aggregate) The base resin mix, catalyst solution and washed dried aggregates can then be added to the forced action mixer and stirred to thoroughly wet out the aggregate. Normally 1.5 kg of resin will coat 25 kg of 2-5 mm aggregate.

Once mixed the system should be placed swiftly and laid off by trowel, ensuring the product is well compacted and closed up on the surface. NB The degree of closure of the surface is dependant on the nature, shape and grading of the aggregate, and is often open textured.

No solvents should be added to this product. On extended applications, tools should be kept clean with RS Polyurethane Solvent.

Category Guide

FerFA Category : 6

Technical Information

The following figures are obtained from laboratory tests and our experience with this product, and do not constitute a guarantee of performance

Slip Resistance Dry > 40. Levels dependant on stones and surface finish selected

Method BS7976 pt1-3 2002 Wet > Please consult RSL

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

Abrasion Resistance Not determined

Method BS8204 /ASTM D4060

Temperature Resistance Tolerant of sustained temperatures of up to 50°C @ 7mm

Chemical Resistance Excellent Chemical Resistance
Consult RSL on specific materials

Compressive Strength Values dependant on resin content and stone size and type

Flexural Strength Values dependant on resin content and stone size and type

Tensile Strength Values dependant on resin content and stone size and type

VOC <1 g/l

Calculation based on a full mixed unit

Life Expectancy 3- 5 year plus

Subjected to location,
Substrate construction and Traffic
RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Resubind UV** surfaces 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. On external applications **Resubind UV** surfaces may be pressure washed, however care should be exercised to prevent damage by high intensity jets being applied to local areas.

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resubind UV 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.

Resin Surfaces Ltd
Titan House, Lowick, Close
Newby Road Industrial Estate
Stockport
Cheshire
SK7 5ED

Tel : + 44 (0) 161 483 1232 Fax: + 44 (0) 161 483 2565
Email : info@resinsurfaces.co.uk Web : www.resinsurfaces.co.uk
Registered in England : 1659941 Vat No : GB 373 485 624