

# Vuba-Screed Resibond



## Domestic Drive



## Footpath

### Product Description

Resin Bonded Surfacing

### Introduction

Vuba-Screed Resibond is a two-part flexible solvent-free system for resin bonded surfacing. Resibond is designed to be used in conjunction with selected aggregates or gravels to provide a decorative yet durable finish for an attractive appearance and enhanced underfoot safety. Our resin bonded surfacing offers numerous advantages to alternative systems; it is quick curing even in low temperatures, offers excellent long lasting flexibility and is very easy to apply for DIY users.

### Composition

A unique two-component polyurethane hybrid resin system.

### Size

31kg Unit

### Components

Each unit of Resibond comprises of one part Resin and one part Activator. Both components are pre-weighed and ready to mix.

### Coverage Guide

You can typically achieve up to 20m<sup>2</sup> with a 31kg unit depending on the substrate type and condition. Smooth surfaces in good condition are more likely to achieve the full coverage than rough and damaged substrates. The thickness applied can also affect coverage achieved. Please contact us if you require further advice.

**Important:** Resin bonded surfacing should not be applied at a higher spreading rate than stated above as the resulting thickness will be reduced, compromising the adhesion to the broadcasted gravel aggregate.

**Tip:** Try to avoid under ordering and leaving yourself short on material. Applying in sections will not guarantee a uniform finish.

### Appearance

Vuba resin bonded surfacing is supplied in a neutral/amber colour which highlights the finish achieved from the aggregate dressing.

**Note:** The appearance of your applied resin bonded aggregate is dependent on the choice of gravel aggregate selected. Please consult the relevant product data sheet or contact us for advice and any sample requests.

### Availability

We aim to dispatch all standard orders received before 12pm for next day delivery. Non stock items may take up to 3-5 days.

### Typical Installations

Our resin bonded surfacing has been developed to provide an aesthetically pleasing and highly durable surface. It is particularly suitable for use in prestige developments to give a luxury appearance and in conservation areas where harmony with the surrounding environment is important. The wide range of gravel specifications available offers the potential to introduce design elements into landscaping and refurbishment projects. Resibond is perfect for use on any pre-levelled surface for an easy-to-apply DIY alternative to other resin systems.

### Anti Slip

Resin bonded surfacing achieves a naturally slip resistant finish as a result of the protruding gravel within the system. No anti slip additive is required.

**Note:** The level of slip resistance achieved is dependent on the choice of gravel specification selected. Please refer to the relevant product data sheet for guidance and contact us with any queries.

### Durability

This resin bonded surfacing system, as supplied, has been tested for use to last for 10 years on heavily trafficked highways, and so is deemed suitable for regular heavy duty traffic. Please consult the aggregate product data sheet for guidelines as to which gravel types compliment a heavy duty application.

**Important:** Any application of resin bonded surfacing is only as durable as the application technique allows. Please ensure all relevant documentation is read through before application commences and that the choice of aggregate is as required for your specific installation. Please contact us with any queries.

### Thickness

The thickness of the final system is dictated by the choice of gravel specification. Please consult the relevant product data sheet for guidance.

**Tip:** We always recommend gravel types in 1-3 mm thickness for resin bonded surfacing. Larger or smaller sized aggregates can be used with a corresponding adjustment to the Resibond spreading rate. Please contact us before ordering to ensure the correct quantities are purchased.

### Substrates

Resibond provides excellent adhesion to most substrates including asphalt, bitumen macadam, concrete, steel/aluminium and wood/timber. Each substrate type is subject to specific preparation and priming requirements. Please contact us for guidance and any alternative substrate enquiries.

**Important:** Newly laid tarmac must be left at least 10 days and new concrete for a minimum of 7 days to allow to dry thoroughly before application. Drying times may be longer in winter or in areas unexposed to sunlight.

### Samples

To ensure that you are choosing the right product for the job, we always recommend purchasing an appropriately small amount to trial first. This allows you to gauge the achievable coverage as well as seeing the type of finish and colour in person, which may sometimes appear differently to on the screen or printed out. This is also a good chance to practice the application method which may be a useful process if previous experience with resin bonded surfacing is limited. Hard samples may also be available upon request and can usually be posted within 1-2 days.

### Preparation

To ensure maximum adhesion and performance from Vuba products, the correct preparation methods must be adhered to. Please see our 'Vuba Floor Preparation Data Sheet' for more information. Prior to resin bonded surfacing application, ensure that the substrate is sound, clean, dry and contamination free. Remove any oil, de-icing salt, grease and similar contamination.

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by washing with Vuba-Degreaser, followed by thorough flushing with clean water. For some surfaces, pre-treatment by way of mechanical abrasion is essential. These substrates include steel, aluminium, smooth concrete and wooden surfaces. In these instances, wire brushing is ...generally not accepted as sufficient preparation. Depending upon the application, we recommend shot-blasting, grinding or sanding. Please contact us before commencing unless you are certain of the correct preparation approach.

**Note:** Application should be planned to ensure that newly prepared surfaces are overlaid as soon as is possible to avoid subsequent contamination issues. This is particularly important for steel surfaces since any traces of moisture will cause flash rusting which may ultimately impair adhesion. Similarly, any aluminium substrates should be overcoated immediately to reduce the effects of atmospheric oxidation.

**Important:** To achieve a level appearance, the existing surface must be completely flat. Please consult our range of repair materials to level out any patches or uneven areas where required before applying resin bonded surfacing.

**Tip:** After preparation, you must ensure that the existing surface is completely dry. The use of a hot compressed air lance is advised since it will also serve to warm the surface and accelerate curing, which is especially useful in winter conditions.

## Priming

In most instances Resibond is self-priming. However, on highly absorbent surfaces such as porous concrete and weathered timber, it is advisable to prime first. For best results use Vuba-Epiprime two part epoxy primer then broadcast fully with Vuba-Adsafe Quartz Aggregate (contact us for guidance) and allow to harden. Ensure that the surface is a 'sand carpet' and that there are no 'bald' patches of resin without aggregate encapsulation. Primer should be sand blinded whilst still tacky, allow to fully cure before brushing away excess sand and applying Resibond. As a cost effective alternative you would choose to apply Vuba-Resiprime Polyurethane Resin Primer. Please consult Resiprime Data Sheet for application instructions.

**Note:** If both priming with Resiprime and application of resin bonded surfacing cannot be completed on the same day, it will be necessary to abrade the primer prior to subsequent application of Resibond.

**Tip:** Rough tamped concrete or similar highly textured substrates can be regulated by scraping a coat of Resibond over the surface and allowing it to cure prior to commencement.

## Ambient Temperature

The ambient and substrate temperature should not lie outside of the 5-35°C guideline during application or curing.

## Colours

The colours and shades available for your resin bonded surfacing are inherent in the choice of gravel aggregate. Please consult the relevant product data sheet for the available range of specifications.

## Mixing

Add the full contents of Activator B to the Resin A container and mix with a slow speed stirrer for at least two minutes.

**Tip:** Ensure you have a mixing area clearly set out and you have planned the application process well before mixing, ensuring all tools are ready to be used so that the product pot life can be used effectively.

**Important:** Both liquids are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together and until homogenous to ensure the product cures correctly and to the desired uniform finish.

## Application Technique

Pour the mixed material onto the prepared/primed surface in rows immediately after mixing and squeegee out well within 10 minutes using a Vuba serrated or foam squeegee to achieve the recommended coverage rate, as specified above. On textured or deeply pitted areas it is recommended that the surface is lightly over-rolled with a long pile roller once applied, to ensure even application. Having applied the resin, broadcast your selected aggregate immediately onto the surface at an application rate of 10kg per m<sup>2</sup>, ensuring that the resin is totally blinded by aggregate. When the material has achieved its initial set (approx. 1-2 hours at 20°C), the excess aggregates may be removed by light brushing. After 2-4 hours, more rigorous hand brushing can be employed or a vacuum suction method used. Please consult the cure schedule below for timing guidance.

**Note:** Mechanical sweeping should only be employed once fully cured, which would normally take at least 24 hours.

**Tip:** If an adjoining area is to be treated, you should leave a wet edge and apply the contents of the next pack as soon as possible to avoid "day joints".

**Important:** Do not scrape out resin residue from the walls and base of the mixing container as this may include material that is potentially not activated.

## Tool Cleaning

Vubasolve xylene solvent should be used to clean any reusable tools. Splashes or spillages can also be removed with the help of Vubasolve and wiping with rags.

**Tip:** If levelled with a roller, remove your roller refill from the frame immediately after application so the frame can be used again.

## Cure Schedule (20°C)

Pot Life:	20 mins
Touch Dry:	1 hr
Light Traffic:	2-4 hrs
Heavy Traffic:	24 hrs

**Note:** Once applied, resin bonded surfacing is generally unaffected by any rainfall that may occur during the curing period.

**Important:** For lower temperatures the times stated will be extended, and equally shortened for higher temperatures."

## Maintenance

The aggregate applied should always be surplus to the bonded layer. Therefore some gravel is expected to come loose occasionally, which can be swept or lightly pressure washed off. Loose detritus such as leaves and dirt can also be removed by light pressure washing. Oil staining can be treated with a stiff brush and a strong solution of Vuba-Supaclean. This should be flushed away with clean water afterwards. Besides these instances, general aftercare of resin bonded surfacing is not necessary.

**Important:** When pressure washing ensure that the nozzle is held more than 15cm away from the surface to avoid damage to your resin bonded surfacing.

## Technical Data

Solids %:	100%
Mixed Viscosity @ 23° C (Brookfield):	1,600 ± 400 mPas
Tensile Strength (BS 2782):	approx 22 N mm <sup>-2</sup>
Elongation (BS 2782):	> 100%
Hardness (Shore A):	> 90
SRV:	Initial SRV >100L, After 100,000 wheel passes approx. 85
Thermal Tolerance:	High (-20° C to +120° C)
Chemical Resistance:	To various acids, diesel and petrol as well as strong bases
Bond Strength:	Greater than the cohesive strength of the concrete, >3 N/mm <sup>2</sup>

## Storage

Store in unopened original containers. Vuba-Screed Resibond Part A and Part B will have a shelf life of one year. Store between 5 and 25°C. Once opened, containers of Resibond Part B (Activator) should be used within 14 days.

## Health and Safety

Please read the relevant Material Safety Data Sheets provided in compliance with the requirements of EC Directive 91/155 before commencing application.