

Description

Resbuild Stone Bonding Resin is a two pack, flexible binder suitable for bonding loose decorative aggregates to concrete, tarmac and asphalt. This gives a 'stone carpet' finish which gives the appearance of loose aggregate, but avoids maintenance problems.

Typical Uses

As a flexible, resilient binder for decorative aggregate and 'stone carpet' finishes.

Advantages

- ▲ Tough & hard wearing.
- ▲ Flexible.
- ▲ Excellent abrasion & impact resistance.
- ▲ Good chemical resistance.
- ▲ Low odour during application.
- ▲ Seamless
- ▲ Rapid Curing
- ▲ Easy to clean
- ▲ Large choice of colours and decorative effects.
- ▲ Slip resistant.

Typical Properties

Viscosity: 1,600-2,000 cps @ 20°C

Pot life @ 20°C: 20-30 Minutes

Colour: Clear (can be coloured to range of RAL shades)

Adhesion to concrete: 4.0MPa (concrete failure)

Hard dry time: 4 hours @ 20°C

Chemical resistance: excellent resistance to water, petrol, diesel, engine oil, anti-freeze, dilute acids, dilute alkalis.

For specific advice please contact our Technical Department.

Packaging

Resbuild Stone Bonding Resin is supplied in 5kg, 15kg & 50kg packs.

Procedure

Surface Preparation

- a. **Concrete** surfaces shall be sound, clean, and free from standing water, laitance oil, grease and other contaminants.
Grinding or grit blasting are suitable mechanical means of removing laitance and contaminants and providing a profiled substrate.
- b. **Tarmac** – New tarmac must be allowed to weather until all residual oils have been oxidized or been removed.
Thoroughly wash to remove contaminants and allow to dry.
- c. **Asphalt** – Wash thoroughly to remove all contaminants and allow to dry.

Priming

Priming is not usually required.

Mixing

Mix equal volumes of BASE and CURING AGENT. Thoroughly mix by slow speed mechanical stirrer (drill plus paddle attachment) until a uniform consistency has been achieved.

Application

Apply the mixed resin by roller, serrated trowel, or squeegee at a nominal rate of 0.5-3mm. Application rate depends on the size of the aggregate to be broadcast. Whilst the resin remains wet, broadcast the selected aggregate to achieve a full 'blinding' i.e. leave no resin visible.

The following day thoroughly sweep off any excess aggregate using a stiff bristled broom.

Equipment Cleaning

Clean equipment with Resbuild Toolclean immediately after use.

Curing

Allow the finished system to cure for a minimum of 24 hours @ 20°C prior to foot traffic, and 48 hours @ 20°C prior to vehicular traffic.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

Do not expose to freezing conditions.

Resbuild Stone Bonding Resin has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

A 15kg pack of Resbuild Stone Bonding Resin is sufficient for an area of 14m² at 1mm resin thickness.

Limitations

Do not apply to wet or uncured concrete surfaces.

Do not apply at temperatures below 3C.

Do not apply to new, unweathered tarmac or asphalt surfaces.

Health and Safety

Avoid contact of the material with skin and eyes.

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information

Resbuild Stone Bonding Resin shall be applied strictly in accordance with the manufacturer's instructions

For specific advice regarding any aspect of this product, please consult our Technical Department.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Resin Building Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).