addagrip™
Quality Resin Surfacing Systems

STONEBOUND UV
RESIN BOUND SURFACING

A-SB

OVERVIEW

STONEBOUND UV resin bound surfacing is a cold applied clear polyurethane resin screed designed to bind natural aggregates. **STONEBOUND UV** is flexible, resistant to cracking and can be supplied in a range of colours allowing imaginative designs to be incorporated within the paved surface.

PREPARATION OF SURFACE

Concrete surfaces to be treated should be clean, dry and free of laitance, oil, grease and loose friable particles which could affect adhesion. Any movement joints/construction joints in concrete should reflect through the surface.

Asphalt surfaces must be clean and dry, details of suggested suitable base build ups are available on request.

A suitable edging detail should be specified using either brick, stone, concrete or steel as required to provide a high-quality finish detail.

MIXING & APPLICATION

The **STONEBOUND UV** Resin Part 'A' & 'B' is delivered in pre-weighed units to which the **Accelerator** Part 'C' should be added (refer to **Accelerator** guidance table found on provided "Mix Details" sheet with each order). To prevent an area being installed without accelerator a small quantity has already been added to Part 'A' to ensure the mixed material will cure albeit at a slower rate. The mixed resin should then be thoroughly mixed with a slow speed, high torque drill and paddle for a minimum of 45 seconds.

The mixed **STONEBOUND UV** resin and accelerator should then be immediately added to the pre-mixed aggregate placed in a suitable mechanical mixer. Mix for 1-2 minutes then discharge into a suitable wheelbarrow and move immediately to the point of application.

The mixed material should then be spread evenly across the surface at the required depth using a straight bladed squeegee. The surface should then be hand trowelled or using a lightly weighted finishing power tool to a smooth compacted finish as required.

To improve the slip resistance on the surface fine glass grit or white aluminium oxide should be applied at a rate of ~50g per sqm. Available upon request.

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TECHNICAL DATA

Product	Polyurethane resin for resin bound surfacing
Density	1.06g/cm^3
Application Conditions	+5°C to 30°C, maximum 80% relative humidity
Surface Temperature	Must be 3°C above the dew point temperature.
Initial cure	Varies on accelerator addition
Full Chemical Cure	7 days
Skid resistance (TRL 176)	Slider 96 (Pedestrian) > 55 Slider 57 (Vehicle) > 60
Permeability/Porosity (BS EN 12697-40:2005)	3mm @ 12mm depth = 4.46-7.67 L/sec/m^2 6mm @ 18mm depth = 7.39-20 L/sec/m^2 10mm @ 22mm depth = 17-30 L/sec/m^2
Flexural Strength (BS EN 13892-2)	7.1 N/mm^2
Compressive Strength (BS EN 13892-2)	11.6 N/mm^2
Material Consumption/Coverage	Please refer to site mix sheets
Packaging	Supplied in pre-weighed units
Storage	Store above 7°C, not in direct sunlight, wind nor rain. 6 months in original unopened containers.

HEALTH & SAFETY

Before using this product, please ensure you have been supplied and have read carefully the following: -

1. The hazard label (complying with CLP – European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of substances and mixtures) applied to the container.
2. Safety Data Sheet. Available upon request from sales@addagrip.co.uk

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant safety data sheet.

CLEANING OF EQUIPMENT & SKIN

Tools, brushes etc... should be cleaned immediately after use in **Addagrip Solvent Mixture**. For cleaning of hands/skin, use a deep cleaning soap with water. Please note if a rash appears seek medical attention.

DISPOSAL CONSIDERATIONS

Normally the Part A resin will be mixed in its own container with Part B. When this is done correctly the resultant material in the container is inert and the label must be defaced. The container and remnants may be disposed of as normal industrial waste. Any uncured material must be disposed of as hazardous waste. Please consider the regional or national regulations regarding disposal.

For technical enquiries please contact your nearest representative:

UK:
ADDAGRIP
Tel: +44 (0)1825 761 333
E-mail: sales@addagrip.co.uk
Web: www.addagrip.co.uk / www.terraco.com