

# PU Resin Bound UV

## RC-20

UV Stable Polyurethane Resin for Resin Bound Systems



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### Description

Sindec have developed **RB-20** Resin Bound UV to be easily installed, smooth, natural looking with no loose aggregate, very long lasting with a wide range natural aggregate blends.

**RB-20** Resin Bound UV is hard wearing, smooth and very low maintenance. Suitable for roadways, driveways, paths. For specification for heavy goods please contact us.

Highly successful permeable **RB-20** PU Resin Bound UV for the use in residential and public applications on Driveways, Pathways, Public Parks, Show Rooms, National Trust Sites, Swimming Pool surrounds Theme Parks, Heritage sites, Access Roads, Car Parks, Play Areas, Patio's, Internal Area's, Regeneration Projects, Foot bridges, Steps, and many more high use areas, all providing an attractive smooth and safe surface. Many more high use areas.

### Coverage

Coverage varies widely due to the porosity and profile of different substrates.

Driveway specification is applied at 18mm to 25mm depth (with 3-5mm aggregate)

Pathways (pedestrian only)  
12mm to 15mm depth (with 2-4mm aggregate)

\* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

### Features & Benefits

- SUDS COMPLIANT (Sustainable Urban Drainage System)
- UV Stable Resin
- Slip Resistant
- Weather Resistant
- Load Bearing
- Permeable
- Range of colours (Can be coordinated)
- Oil & Fuel Resistant
- Weed Resistant

### Mixing

Thoroughly mix component A & B and part C aggregate into a Force action mixer until completely blended with no dry spots

### Product Application

Dependant upon system usage, please read system TDS for further application instruction.

### Environmental Conditions

**RB-20** should not be used or applied at temperatures outside of at range of <5°C to >30°C  
\*temperature control will be required if below this range.

Otherwise, this will effect the cure period, surface finish and strengths. Surface temperature must be at least 3°C above the dew point. Air temperature should be above 5°C and relative humidity at less than 70%,

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

### Substrate Requirements

RB20 Resin Bound UV should be applied on to open textured asphalt and concrete, and many more solid sound substrates. Inadequate preparation will lead to loss of adhesion and failure.

Must be a Solid permeable Substrate back to earth.

If in doubt, apply a test area first.

### Suitable Substrates

Solid permeable Substrate back to earth.

All types of sound, solid substrates are suitable but must be clean dry and free of any contaminates.

New or old tarmacadam, Concrete, For general repairs use EM6000 Sindec Epoxy Mortar.

New SUDS conforming surfaces (please ask for details).

### Oil & Grease

Isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly, and allowed to completely dry.

A coat of **OT-235 (Oil Tolerant Primer)** should then be applied (see separate datasheet)



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### Technical Information

#### PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
<b>Chemical Description</b>	Polyurethane	Urethane
<b>Physical State</b>	Liquid	Liquid
<b>Packaging Kits</b>		
Component A = 3.2kg Component B = 3.5kg Aggregate =		
<b>Colour</b>	Amber	Colourless
<b>Mixing Ratio</b>	A = 6.4 by weight	B = 7 by weight
<b>Use Before</b>	12 months after manufacturing date	
<b>Pot Life</b>	Temp (°C)	Pot Life (100 g, min)
	20	25 mins
<b>Working Time</b>	Temp (°C)	Pot Life (100 g, min)
	20	15 mins

**Storage** Keep between 15°C and 30°C. Component A may crystalize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.

Shelf Life 12 Months (if unopened)

#### FINAL PRODUCT INFORMATION

<b>Final State</b>	Solid Membrane, Glossy Material
<b>Colour</b>	Colourless
<b>Hardness (Shore)</b>	80 Shore D hardness after 7 day > 23°C

### Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product before considering the risk of potential dangerous reactions.

### Technical Advice

For further information on this or any other Sindec product, please contact our office.

### Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

### Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

Products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies which can be obtained upon request.

Sindec Chemicals try to ensure that the information it may give is accurate and is correct, it cannot control over where and how its products are used or applied, or accept any liability either directly or indirectly arising from the use of its products. Whether or not in accordance with any advice, recommendation, specification or information given by the Sindec Chemicals.

