

# ➤ DURASET UV-RESISTANT RESIN BOUND SYSTEM

## LIGHT STABLE AGGREGATE FLOORING

The Duraset UV-Resistant Resin Bound System is a solvent-free two-part aliphatic polyurethane kit developed specifically for creating light-stable aggregate flooring. It will bind together a wide range of dried aggregates, such as natural gravel, crushed stone and recycled glass. The system is suitable for external and internal applications. Typical applications include: driveways, footpaths and other decorative areas.

### BENEFITS:

- Retains its colour (light stable)
- Establishes excellent moisture tolerance quickly
- Meets SUDs regulations
- Withstands heavy foot traffic in as little as four hours

### Retains its colour: light stable with excellent weathering properties

The Duraset UV-Resistant Resin Bound System is ideal if you need to create a flooring system that retains its colour, e.g. when using pale coloured aggregates. It is based on aliphatic resin, which is light-stable (non-yellowing). The system also has excellent weathering properties and is resistant to extreme temperatures (-10 - 70°C) once fully cured.

### Establishes excellent moisture-tolerance quickly: can withstand moisture in as little as four hours

Most contractors require an aggregate flooring system that can withstand various weather conditions, particularly damp conditions. In-house tests prove that the Duraset UV-Resistant Resin Bound System is tolerant of moisture in as little as four hours of being laid (@ 20°C).



### Withstands heavy foot traffic in as little as four hours after being laid: fast-curing system

The Duraset UV-Resistant Resin Bound System is able to withstand heavy foot traffic in as little as four hours (@ 20°C) of it being laid. This is due to it being a fast curing system. In-house tests also prove that the system is extremely hardwearing and durable. This makes it perfect for areas where there will be continuous heavy footfall, including foot paths, garden patios and public areas.

### Meets SUDs regulations: water-permeable for rapid drainage

Roadtechs understands that compliance with the Sustainable Urban Drainage (SUDs) regulations is essential. The Duraset UV-Resistant Resin Bound System is water-permeable, so it is completely compliant with the SUDs regulations. Its permeability makes the Duraset UV-Resistant Resin Bound System suitable for areas where water needs to be accessible, such as tree-pits.

### Ideal for refurbishment projects: can be laid over existing flooring

The Duraset UV-Resistant Resin Bound System is suitable for creating completely new flooring or overlaying existing flooring. It can be quickly and easily laid on top of bituminous mastic, concrete or asphalt, which makes it an economical choice for refurbishment projects.

## INSTRUCTIONS FOR USE:

The Duraset UV-Resistant Resin Bound System is a two-part system, which consists of a polyurethane base (Part A) and an aliphatic polyurethane hardener (Part B). It is suitable for use with a range of dried aggregates, including natural gravel and crushed stone.

### SURFACE PREPARATION

1. Please ensure all surfaces are clean, dry and free from contaminants

### MIXING

1. Mix the resin in the following quantities: A9713: 1.2 parts by weight and A9655: 1.0 parts by weight
2. Mix the resin thoroughly with a slow-speed high-torque drill and paddle for approximately 60 seconds.
3. Immediately add the resin to the pre-mixed aggregate in a suitable mixer
4. Mix the resin and aggregate for approximately two minutes, or until uniform consistency
5. Catalyst can be added to the system to speed up the cure-time. Please contact Roadtechs for details

### APPLICATION

1. Place the mixed resin and aggregate into a suitable transporter, such as a wheelbarrow and transport to the application area
2. The product has a seventy minute pot-life once the individual resins have been mixed together
3. Evenly spread the mixed resin and aggregate across the surface at the required depth with a trowel or squeegee
4. Leave to cure for at least four hours before subjecting to foot traffic

## MIXED RESIN: PART A / PART B

Pot-Life (mins)	70 @ 20°C
Cure-Time (hours)	4 @ 20°C
Mixed Viscosity (CPS)	6000 @ 20°C
App. Temperature	5 - 30°C
Coverage (per m2)	18mm depth / 2kg resin / 33kg blended stone

## POLYURETHANE BASE (PART A)

Base	Polyol (100% solids)
Viscosity (CPS)	2000
Colour	Pale Yellow
Storage-Life	6 months @ 5 - 30°C
Environmental	See MSDS

## ALIPHATIC POLYURETHANE HARDENER (PART B)

Base	HDI (100% solids)
Viscosity (CPS)	2000
Colour	Clear
Storage-Life	6 months @ 5 - 30°C
Environmental	See MSDS

**Packaging:** Also available in 6.5 kg kits.

### IMPORTANT NOTES:

Please ensure you use dried aggregate because the use of damp aggregate will lead to discolouration of the final product.

**Storage and handling:** Storage-life is six months, provided that the container is left unopened in a dry condition at a temperature of 5 - 30°C.

**Cure-Time and Pot-Life:** All information is provided as a guideline only. Cure-Time and Pot-Life are dependent on a range of variables: temperature, amount of product mixed and relative humidity. Roadtechs highly recommends that testing is conducted prior to application.

**Disclaimer:** All products should be used in accordance with the manufacturer's instructions. No responsibility can be taken by the manufacturer where conditions of use are beyond our control. Materials are sold only on the basis of conforming to specification, but without warranty expressed or implied in law or in fact of merchantability or fitness for a particular purpose and upon the condition that purchasers make their own tests to determine the suitability of such products for their particular purpose. Issue no: 4 - 27.1.21

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