



# PU Binders for Permeable Pavements

COATING (PU5275/1)



## DESCRIPTION

Non-hazardous, fast curing, flexible, solvent free resin for bonding rubber crumb and aggregate particles.

## USES

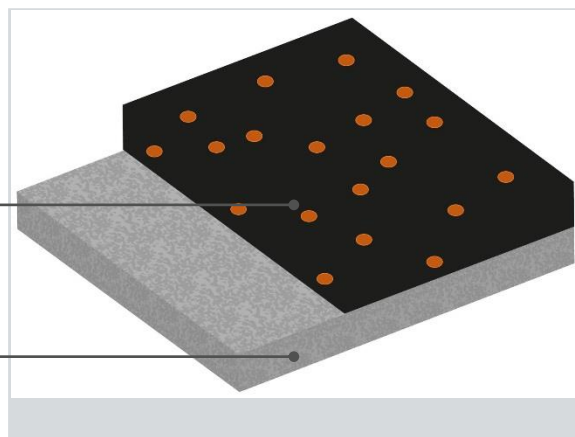
- Cycle Paths
- Walkways
- Footpaths
- Equestrian trails

## BENEFITS

- Correctly installed, complies with current SUDS (Sustainable Urban Drainage) Requirements
- Low Maintenance
- Durable
- Cycle and wheelchair friendly
- Industry leading for ease of installation
- May not require planning application
- May be suitable for installation over existing sub-base.

Rubber/ Aggregate  
PU Binder Matrix

Substrate



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### PRODUCT SPECIFICATION

Product: Leeson Binder for Permeable Pavement  
Thickness: Determined by required critical fall height BS EN 1177-2008.  
Manufacturer: Leeson Polyurethanes Ltd.  
Telephone: + 44 (0) 1926 833367

### SUBSTRATE REQUIREMENTS

System typically installed on asphalt/ concrete/ MOT Type 1.

### PRODUCTS INCLUDED IN THIS SYSTEM

Primer (for concrete): PU3922 spread at 0.3kg/m<sup>2</sup>  
Wear Layer: 2-5mm SBR/Aggregate 2-5mm 50/50  
PU at 23%  
At 50mm, 18kg of SBR/18kg of Agg.

Detailed installation instructions are available on request.

### INSTALLATION SERVICE

The installation should be carried out by an experienced contractor, details of contractors in your area can be obtained by contacting the company

### IMPORTANT NOTE

Leeson Polyurethanes' products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

### UV DISCOLOURATION

\*Please note that rubber crumb binder products are based on MDI polyurethane technology which is subject to colour change under exposure to UV. The strength of the system is not affected.

We have in-house UV testing facilities and can test customer's rubber/binder combinations. We strongly urge our customers to use this service prior to using a

### TECHNICAL INFORMATION

The figures below are typical properties achieved in laboratory tests at 21°C and 55% Relative Humidity.

#### Temperature Resistance

Resistant to temperatures of up to 50°C for long periods.

#### Elongation @ Break

Minimum 75% for Wear Layer (18% Binder addition).

#### Tensile Strength

Minimum 0.4 N/mm<sup>2</sup> for Wear Layer (18% Binder addition).

#### Chemical Resistance

To various acids, diesel and petrol as well as strong bases.

#### Speed of Cure

20°C 6 hours

### AFTERCARE - CLEANING AND MAINTENANCE

The surface should be swept regularly to keep it free of organic material such as leaves.

### ENVIRONMENTAL IMPACT

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during manufacture of the products by Leeson Polyurethanes staff.

### FURTHER INFORMATION

To ensure you are specifying a fit for purpose surface for your project please consult our Area Sales Manager for your area or visit our website.



**Leeson Polyurethanes Ltd.**

Hermes Close, Warwick, CV34 6RP, UK.

Tel: +44 (0) 1926 833367 Fax: +44 (0) 1926 881469  
sales@lpultd.com | www.lpultd.com

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