



LeesonBound® UVR PU4844/60

LeesonBound UVR PU4844/60 is a high-performance polyurethane based, SUDS compliant porous aggregate bond system incorporating resin and a range of aggregate blends. LeesonBound UVR PU4844/60, when cured, gives excellent strength and elongation performance and is therefore an exceedingly durable system. LeesonBound UVR PU4844/60 is based on aliphatic polyurethane technology to give enhanced UV performance.



LeesonBound UVR PU4844/60 is maintained under the BBA Agrément Certificate 17/5413.

- Usability:** Its ease of spreading allows for rapid application, and the cure speed for the product allows for application sites to be opened to use in a timely fashion.
- Site Safety:** LeesonBound UVR PU4844/60 is a solvent free system and does not require heat lances or burners to apply, lowering the number of risks installers may be exposed to.
- Versatile:** LeesonBound UVR PU4844/60 can be used to produce a range of surfaces include roads, pedestrian bridges, cycle paths, driveways, walkways, stairs, car park decks, balconies, patios, and internal flooring. LeesonBound UVR PU4844/60 can be used with a range of aggregates to provide varied aesthetic finishes.
- Strong, resilient system:** The cured LeesonBound UVR PU4844/60 exhibits excellent resistance to extreme temperatures (-20°C to +120°C), moisture and chemical contact for extended periods without loss of strength.

Technical Specification

Parameter	Specification	
	LeesonBound UVR PU4844/60 Part A Resin	LeesonBound UVR PU4844 Part B Hardener
Colour:	Opaque Buff	Transparent Colourless
Specific gravity:	1.01 g/cm ³	1.16 g/cm ³
Solids Content:	100%	100%
Mixing Ratio by Weight:	1.04	1
Mixing Ratio by Volume:	1.16	1
Viscosity at 23°C:	2,500 ± 500 mPa.s	2800 ± 500 mPa.s
Mix Viscosity at 23°C:	2,650 ± 500 mPa.s	
Pot life at 19°C:	60 ± 3 minutes	
Parameter	Specification	
Binder Tensile Strength (28 Days)	5.5 ± 1 N/mm ² to BS2782 part 3 methods 320A-320F	
Binder Elongation (28 Days)	110 ± 10 %BS2782 part 3 methods 320A-320F	
Binder Hardness, Shore A (48 hrs)	≥80	

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Instructions For Use

For full installation instructions refer to the installation document LeesonBound® - Installation Guide.

A LeesonBound Application Day Sheet is available to record site information and conditions as well as recording batch numbers and stone mixes used on the application site.

Packaging

LeesonBound UVR PU4844/60 is supplied as a 7.5kg kit, with LeesonBound UVR PU4844/60 Part A supplied as 3.82kg in a 10 litre plastic pail and LeesonBound UVR PU4844 Part B supplied as 3.68kg in a 3.8 litre plastic pail.

Storage

LeesonBound UVR PU4844/60 Part A and LeesonBound UVR PU4844 Part B should be stored in their original, unopened containers, in dry conditions at a temperature between 10°C and 35°C. Storage outside of these conditions will reduce the product's shelf life.

LeesonBound UVR PU4844/60 Part A has a shelf life of 12 months and LeesonBound UVR PU4844 Part B has a shelf life of 9 months from point of manufacture.

Health and Safety

LeesonBound UVR PU4844/60 Part A is not classified as a hazardous substance, however, the wearing of goggles and gloves is to be recommended.

LeesonBound UVR PU4844 Part B contains a non-volatile isocyanate, when used in the European Union from 24 August 2023 adequate training is required before industrial or professional use. Before use, ensure that you have read the Safety Data Sheet for this product. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.

- Ensure non-porous gloves and eye protection is worn when handling.
- Avoid prolonged contact with skin.
- In cases of contact with eyes, flush out with excess water and seek medical attention.

Additional Notes

The LeesonBound UVR PU4844/60 system will only be as strong as the weakest component. A wide range of aggregate blends have been tested to determine suitability; assistance can be given in aggregate choice. Therefore aggregate choice is important. The suitability in a given application of weaker aggregates such as crushed glass should be considered carefully. Movement in the sub-base will lead to reflective cracking in the LeesonBound system, therefore ensuring the application surface is suitable for use is integral to the longevity of the LeesonBound UVR PU4844/60 system.

This information is for general guidance only and may contain inappropriate information under particular conditions of use. All recommendations and suggestions are therefore made without guarantee. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.

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Every care has been taken to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact Leeson Polyurethanes to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.

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