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Jen-FLEX-UVR

Technical Data Sheet

Description

Jen-Seal UVR is a 2 component, solvent free, UV resistant epoxy sealer. It can be used to seal decorative resin floors or concrete substrates. Prior to use with concrete substrate a Jenflow water-based primer will be required to applied first. it is used generally as a hard, durable, abrasion resistance floor seal and coating particularly in areas where a high chemical resistance is required. Jen-Seal UVR will deliver a high gloss finish

Areas to use

- Factories
- Warehouse
- Plant Rooms
- Garages
- Aircraft Hangers
- Fork Lift Areas
- Domestic Settings

Benefits of use

- Abrasion resistant
- Chemical resistant
- High build
- Hygienic
- Solvent free/environmentally friendly
- Odour free
- Easy to apply

Chemical Resistance

Jen-seal UVR exhibits excellent resistance to a wide range of chemicals, and is resistant to the following:

- 10% Sulphuric Acid
- 10% Hydrochloric Acid
- Xylene
- Petrol
- Skydrol
- 20% Sodium Hydroxide
- Ethylene Glycol
- Methyl Ethyl Ketone
- Trichlorethylene

Cure

Touch dry	12 Hour @ 20oC
Primary Cure	24 Hours @ 20oC
Full cure (Chemical resistance)	7 days @ 20oC

Both Coverage and cure depends on ambient and surface temperatures, the type and condition of the substrate between 8oC and 28oC

Work Time = 30 Minutes @ 15-25C

Ideal Installation Temperature = 15-25C

Coverage

450g per m2

Pot Life

30 mins @ 20oc

Shelf Life

12 months unopened

Storage

Recommended temperature range for storage, transport and application is 50c and 28oC

Cleaning

Acetone for cleaning tools

Preparation for Coating Concrete

If coating concrete the substrate must be at least 28 days old and be clean, dry, sound and free of laitance, oil, grease and any other surface contamination which could impair adhesion. When coating concrete prior to Jen-seal UVR application Jenflow Water-based primer should be applied. Existing floor areas will require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or vonarx type scabblers should be used.

Any areas which have been contaminated with oil or grease should be treated with hot compressed air blasting equipment. This will drive out any deep-seated contamination.

Any areas of damaged concrete should be broken out and reinstated. For small areas of thin section repairs - less than 10mm in depth - an epoxy resin repair mortar should be used. For larger areas thicker section repairs a polymer reinforced cementitious repair mortar should be used.

Any cracks in the substrate in excess of 1mm wide should be chased out to a minimum width and depth of 5mm and repaired with an epoxy resin mortar.

Finer cracks do not normally require pre-treatment as they can be flooded with Jen-Seal UVR.

Any existing floor coatings which are not soundly bonded to the substrate must be removed prior to the application of Jen-Seal UVR. Adhesion tests should be carried out to ensure compatibility.

For newly laid concrete substrates which have been allowed to cure for the minimum 28 days, a light pass with enclosed vacuum blasting equipment is required or sand the surface with an 60grit sanding pad. This will lightly texture the substrate and ensure that all laitance and the remnants of any curing membranes are removed.

Any flexible joints within the concrete substrates should be protected with masking tape. The perimeters of the area being treated, along with any grids, drains, etc. should be protected with masking tape.

Immediately prior to the application of the water-based primer, the concrete substrate should be thoroughly vacuumed to remove all dust and other deleterious matter.

Preparation for Sealing Decorative Floor

To seal a Jen-Design coating you will need to create a mechanical key to the surface. Sand the surface with a 60grit pad. After sanding you should leave approx. 4-5 hours for dust to settle. Once sanded the surface will be required to be vacuumed & lint rolled. The surface will then require cleaning with Jenflow Eco-cleaner. The floor should be repeatedly cleaned until all dirt and contamination is removed from the floor. Dust extractors are recommended throughout this process. As with previous coatings precautions should be made to protect the surface from UV light until full cure is reached. Ensure all cleaner is removed from the floor prior to any coating.

Application

A=300g per m²

B= 150g per m²

Mix the contents of pack A using a mechanical paint stirrer ensuring the contents are evenly dispersed. Add pack B (curing agent) and mix with the mechanical paint stirrer for 2-3mins. Apply immediately with squeegee then roll.

When a high degree of slip resistance is required Jen-Grip additives can be added to the mix. Speak to a member of the Jenflow team for further information.

At an ambient temperature of 20oC Jen-Seal UVR may be lightly tracked after 24 hours with 48 hours being required prior to heavier trafficking.

Health & Safety

Gloves, overalls and barrier cream should be used when working with Jen-Seal UVR. For full details please refer to the appropriate Health and Safety Data Sheet

Disclaimer

The information in this product, technical and application data sheet is given in good faith, based on current knowledge and experience but has no control over the quality or the conditions of the substrate or the many differing factors affecting use and application of the product. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use. Jenflow Systems Ltd offer training in the use of our products and we recommend attendance prior to application. We do not accept responsibility or liability for customers or trained installers work. Before any installation of our products we recommend you test the products for its intended use. This leaflet is provided for general guidance only.