Chemspartic PU

High-performance, 2-component, solvent-free, polyaspartic -PU-based, liquid-applied elastic waterproofing membrane

Product Description

Chemspartic PU is a two-component, solvent-free, polyaspartic PU-based high-performance, high elongation waterproofing membrane. This product has excellent crack bridging properties and can be used for the waterproofing of Car decks and podiums.

Salient Features:

Elasticity and Flexibility:
This membrane exhibits excellent elasticity, allowing it to stretch and flex with substrate movements and temperature changes without cracking.

Crack-Bridging Properties:
The primary feature is the ability to bridge cracks in the substrate, preventing water ingress and protecting the underlying structure from damage.

Waterproofing:
creates a seamless and waterproof barrier, preventing water penetration and protecting the structure from water-related damage, such as corrosion or deterioration.

Overcoatability:
Chemspartic PU can be overcoated with subsequent layers of PU and epoxy-based sand broadcasted systems like Floorchem and Chemdeck, making it suitable for waterproof antiskid car deck coating systems.

Quick Curing Time:

Fast-curing formulations allow for quicker installation and reduced downtime.

Easy Application:

Designed for ease of application, these membranes can be applied by spraying, rolling, or brushing.

Compatibility with Various Substrates:

Chemspartic PU is suitable for application on various substrates such as concrete, metal, wood, and existing coatings. Designed with low VOC (Volatile Organic Compounds) content, contributing to environmental sustainability and indoor air quality.

Technical Information

Property	Value and Unit
Colour	White
Pot Life @ 30oC	20 minutes
Curing time	Overcoated after 6 Hours
Maximum overcoat time	24 Hours
Fully cure	3-4 days
Solid content	>90 %
Tensile strength (ASTM D412)	>4 mpa
Elongation (ASTM D412)	>25 N/mm2
Tear resistance	4hr
Puncture resistance	>300 N

Method of Application

All Chemsol Products are recommended to be applied only by Approved Applicators and should be handled after using proper PPEs like Gloves, masks, goggles, etc. Refer to the method of statement of Chemspartic PU systems for details of application method.

Application Conditions:

Substrate temperature: 10-40 °C

Substrate moisture content: - <5%

Relative humidity: 8o%max

Note: The substrate temperature must be at least 30 °C above the prevalent dew point temperature to reduce chances of condensation on the substrate.

Cleaning of Tools

Clean all tools and application equipment with thinner EP140 immediately after use. Hardened and/or cured material can only be removed mechanically.

Storage conditions

Store in a dry and covered shed between 5 °C to 30 °C, away from sources of heat and naked flame.

Handling & Safety

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying, it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.

***** All CPI test methods are our scientifically designed internal test methods which can be shared upon request.

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