

PROOFSEAL PU

Polyurethane Liquid Applied Waterproofing Membrane

DESCRIPTION

PROOFSEAL PU is a high solid content one component moisture curing liquid applied waterproofing coating. **PROOFSEAL PU** is a permanently seamless flexible membrane that can be reinforced with fiber glass mesh for high tensile strength and toughness. It is used to eliminate ground-water migration into or through subsurface structures.

USE

PROOFSEAL PU is intended to be used in areas where water dampening of surfaces is critical. It has the ability to uniformly cover the profile of textured substrates, forming a continuous membrane.

PROOFSEAL PU effectively covers existing hairline cracks and repaired areas, and bridges hairline cracking caused by structure movement.

PROOFSEAL PU is ideal for waterproofing concrete roof, balconies, planter boxes, decks, wood, glass, asbestos, tiles, metal surface and masonry building exteriors.

PROOFSEAL PU also performs as an effective waterproofing membrane in concrete water storage tanks, retaining walls, swimming pools, kitchens and showers.

ADVANTAGES

- One component liquid applied.
- High tensile strength.
- Moves with crack bridge > 3mm.
- Good adhesive to cement-based surfaces.
- Fiber re-enforcement applicable.
- Available in wide range of colors.
- Hard wearing – durable.
- Primerless.
- Applicable on concrete, wood, glass and steel.
- Applicable to apply on floor and walls.



SURFACE PREPARATION

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be sponge dried to remove all surface water, then dried. Treat oil or grease contamination with degreaser followed by water or steam cleaning.

New and unpainted surfaces must be structurally sound, clean, dry, fully cured, and free from dust, curing agents, form release agents, efflorescence, scale, or other foreign materials.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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All cracks larger than hairline shall be considered as moving and must be repaired with **RENDACOAT FC** cementitious concrete repair. Remove all unsound concrete. Patches shall be flush with the surrounding surface and shall match the texture of existing surfaces. Angle fillet and corners should be arranged by using **RENDAGROUT HB** and kept to full cure before apply **PROOFSEAL PU**.

MIXING

PROOFSEAL PU is a single component only remix and apply direct into the substrate

APPLICATION

PROOFSEAL PU may be applied by roller. A brush may also be used for touch-up and edging work or for areas unsuitable for spray application. Airless spray and rolling are the most effective methods for obtaining a uniform film build.

PROOFSEAL PU is a single component material. It is necessary to thoroughly mix the container prior to application using a slow speed mixer.

PROOFSEAL PU is viscous liquid to achieve high build film with good vertical hold. Any addition of solvent must be under manufacturer consultancy.

Always apply in two coats in order to avoid pinholes. Allow 24 hours drying time in-between coats.

Surfaces subject to continuous splashes or permanent contact with water shall be left to dry for at least 7 days before they are filled with water.

If it is used as under tiling waterproofing, rough surface finish is required. It can be done by sprinkle pure silica sand over second coat while is wet.

COVERAGE

Actual coverage may vary depending on surface profile, porosity, method of application and job conditions. **PROOFSEAL PU** is applied at the rate of 4 - 5 m²/gallon at thickness of 600 microns.

CLEANING

Tools and equipment can be cleaned immediately by using **THINERCOAT 20** organic solvent.

PACKAGE

1, 5 USG.

STORAGE

Product should be kept at 25°C in dry conditions.

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SHELF LIFE

6 months in tightly closed container at 25°C in dry conditions .

Flammability:

PROOFSEAL PU and **THINNERCOAT 20** are flammable materials so do not expose to naked flames or smoking during application.

PHYSICAL CHARACTERISTICS

Property	Value	Test Method
Specific Gravity	1.35 ± 0.05	S.G. Cup
Solid Content	85 ± 1%	ASTM D 1353
Tensile Strength	> 6.0 N/mm ²	ASTM D 412
Elongation at Break	600 ± 25%	ASTM D 412
Permeability	Nil	BS EN 12390
Water Vapor Transmission	<0.02 @ 1 mm DFT	ASTM E96
Hardness, Shore A	50	ASTM D 2240
180° Peel Adhesion	9 kg/2.5 cm	Metal Plate
Tear Resistance	> 10 N/mm	ASTM D1004
Resistance to Bacteria	No Attack	ASTM D4299
Resistance to Algae	No Attack	ASTM G 29
Resistance to Chemicals	Limitted effect	Visual Check
Resistance to Hydrostatic Pressure Positive Negative	>10 bar > 5 bar	DIN 1048

HEALTHY AND SAFETY

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray. MSDS is available on request for the safe handling of this product.

FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention

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