U-PROOF U-93

Elastomeric waterproofing and rainproofing coating

No. TD	: U-065
Revision	: 00
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PRODUCT DESCRIPTION

U-PROOF U-93 is an elastomeric acrylic water-based paint designed specifically for waterproofing and rainproofing. This versatile coating serves as a primer, topcoat and waterproofing & rainproofing solution, eliminating the need for additional layers or products. Easy to apply, this innovative formula forms a durable, flexible membrane that effectively prevents water penetration while allowing surfaces to breathe. Offering up to 7-years protection, this paint is ideal for both residential and commercial applications. Ensuring your buildings remain safe, dry and protected from the weather.

FIELDS OF APPLICATION

- Side wall and exterior wall
- Roof tile
- Asbestos, GRC & galvanized/zinc
- Primed metal surfaces
- Gutters & joints
- Ridge (nock)

ADVANTAGES

- Water based formulation
- All-in-one solution: Primer, topcoat, and waterproofing & rainproofing
- Flexible with 400% elongation
- Weather and UV resistant
- Alkali & efflorescence resistant
- Mold & mildew resistant
- Good adhesion
- Covering hairline cracks

TECHNICAL DATA

Type	:	Elastomeric acrylic polymer
Colour	:	As shown in colour card
Finish	:	Low sheen
Solid by Volume	:	40 - 50 %
Specific Gravity	:	1.2 – 1.3
Drying Time	:	
Surface Dry	:	30 - 60 minutes (at 30^{o}C)
Hard Dry	:	2 - 4 hours (at 30^{o}C)
Packaging	:	1 kg, 4 kg, 20 kg
Thinner/ Clean Up	:	Clean water
Thinning Ratio by Weight	:	First coat (for priming): 10 - 20% Second coat and subsequent coats: ready to use
Recommended Application	:	1 – 1.5 m^2 / kg per coat for waterproofing & rainproofing, and hairline cracks areas. 2 – 3 m^2 / kg per coat for wall protection.
Recommended Layers	:	Minimum 3 coats (including the 1st coat as primer)
Re-coating Interval	:	Minimum 2 hours (at 30^{0}C) or when the previous coat is dry. Depends on circulation, temperature and humidity.
Application Method	:	Brush, roller and spray

Application Temperature	:	25 – 35°C
Humidity	:	Maximum 80 % RH
Storage Stability	:	One year in cool and dry storage in the original, unopened container.

TEST PERFORMANCE DATA

Elongation	:	> 400 %	ASTM D-412
Tensile strength	:	> 1.5 N/mm²	ASTM D-412
Adhesion to substrate	:	> 1.5 N/mm²	ASTM D-4541
Water absorption	:	< 20 %	ASTM D-471

INSTRUCTION FOR USE

Surface Preparation

The surface must be clean, dry, sound, and free from all contaminants. Newly constructed walls must be allowed to dry for at least 28 days. Ensure that the moisture content of the wall is ≤ 16%, as measured with a Protimeter, and that the wall's alkalinity (pH) is between 7 and 8, as measured with a Universal pH indicator. Remove all loose material or paint residue by brushing and scraping with a fibre brush. Areas affected by biological organisms such as algae, moss, or lichen should be treated with PROPAN FUNGICIDAL WASH. Any defects should be repaired using suitable materials.

Application Procedure

Function	Product and Tools	Recoating Time	Thinning and Mixing
1st Coat	Apply mixed paint using a brush or roller.	2-4 hours	For 1st coat as primer, thin U-Proof U-93 with water 10 - 20% by weight. Stir well until homogeneous.
2nd Coat	Apply mixed paint using a brush or roller.	2-4 hours	No thinning required. Stir well before use.
3rd Coat and Subsequent Coats	Apply mixed paint using a brush or roller until desired coverage is achieved.	2-4 hours	No thinning required, stir well before use. Additional coats may be needed depending on the thickness, colour and desired opacity. Stir well before use.

For Cracked Walls (1 - 3 mm):

- Apply the first coat of U-Proof U-93 as recommended in the table above. While the coat is still wet, apply fibre net / gauze to ensure a tight joint, allowing it to dry. Do not install the fibre net / gauze once the coating has dried.
- For 2nd coat and subsequent coats, follow the application guidelines in the table above.

Note:

Critical areas, such as joints, seams, and cracks, can be reinforced with the use of fibre net or gauze for enhanced durability.

Protect the coated surfaces from water, rain, and dust until the coating has fully dried to ensure optimal performance.

The drying time provided is for reference only. Actual drying times before recoating may vary, depending on factors such as film thickness, air circulation, humidity, and the weather conditions. For alternative coating systems, please refer to the product brochure or contact Propan for professional recommendations.

Cleaning

All tools and equipment should be cleaned with soapy water and rinsed thoroughly with clean water immediately after use. Hardened material can only be removed mechanically.

The technical details and recommendations contained in this technical data sheet are given to assist our customers and correspond to the best of our knowledge and experience correct at the date of printing.
Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application in every case.
The company reserves the right to modify data without notice. The data should only be used after checking with our nearest office to ensure that they are still valid. This technical data sheet is made without guarantee since the conditions of use are beyond our control.

SAFETY PRECAUTIONS

U-Proof U-93 is non-toxic, non-flammable, and does not contain heavy metals, such as lead. Avoid contact with skin and eyes. Do not inhale. Always wear appropriate protective equipment, including goggles, dust mask, and gloves. For more detailed safety information, refer to the Safety Data Sheet.

First Aid

Skin contact	:	Wash thoroughly with plenty of water and soap immediately. If irritation persists, seek medical advice.
Eye contact	:	Rinse immediately with plenty of water. Seek medical advice if irritation continues.
Inhalation	:	Move the person to fresh air, loosen clothing, and avoid exertion. Keep the person calm and assist with breathing if necessary

Disclaimer:

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.

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