

Product Data Sheet



STARPROOF 44

Single Component, Acrylic, Liquid Applied Waterproof Coating – Formulated for PU-Foam Protection & Waterproofing

Uses

- Protecting spray-PU membranes from UV rays
- As a decorative overlay on bituminous membranes and over existing terrazzo tiles
- Corrugated Metal Sheets, GI-Sheets

Product Description

STARPROOF 44 is a single component resin based flexible acrylic liquid applied waterproof coating that has versatile uses for waterproofing in residential and commercial construction – Especially to Protect and Cover PU-Foam. The product is available in white (other colors upon request).

Advantages

- Flexible Product.
- Easy to use single component.
- Weather-resistant.
- It can be applied over sloped roofs.
- Easy to maintain

Standard Compliance

- ASTM 4541
- ASTM D 344

Technical Properties

STARPROOF 44	Typical Values @ Laboratory Conditions
Available colors	White (Other colors based on request).
Drying Time (RH 50%)	60 Minutes
Density	1.35 Kg/ltr (approx..)
Chloride content	NIL
Solid Content	> 60%
Elongation @ break	> 150 %
Full cure	7 days
Bond Strength	> 1.5 mPa
Application Temperature	Minimum +5° C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	<5 gm/ltr
Hiding on PU-Foam	Excellent

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Application

Surface Preparation

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Cement dust, loose particles, mould, release agent or curing membranes must be removed.

Priming

Priming is normally not required on good quality concrete substrates.

However, high absorbent surfaces such as porous concrete, sand/cement and cement boards will require sealing to prevent absorption of **STARPROOF 44**. This should be done by diluting **STARPROOF 44** by 1:3 ratio as a primer.

Priming will significantly improve the adhesion between **STARPROOF 44** and all kinds of porous substrates - It will also stabilize and fortify weak and porous substrates before the application of **STARPROOF 44**

Application

Apply **STARPROOF 44** with a brush, roll, or airless spray machine.

General Waterproofing:

Apply the first coat of **STARPROOF 44** at the rate of 0.8 – 1.2 m²/kg and allow it to cure for 4 - 12 hours depending on the ambient temperature.

Apply the second coat perpendicular to the first coat at the same rate above and allow it to cure.

PU-Foam Protection:

In the event of application on PU-Foam dilution should be taken care of in order achieve excellent hiding of PU-Foam. Dilution should not exceed as per the requirement of Hiding Level of PU-Foam. Over-Dilution will lead to poor Hiding.

Cleaning

Remove **STARPROOF 44** product from tools, equipment, and mixers with clean water before the initial set. Cured material can only be removed mechanically.

Packing & Coverage

Product	Pack Size	Theoretical Coverage
STARPROOF 44 – Waterproofing application	20 Kg pail	0.4 – 0.8 Kg/m ² /Coat
STARPROOF 44 – PU-Foam application	20 Kg pail	0.6 – 0.8 Kg/m ²

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed container of **STARPROOF 44** and has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations

- **STARPROOF 44** should not be applied at ambient temperatures below 5°C and dropping.
- **STARPROOF 44** should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- Being Styrene Acrylic, **STARPROOF 44** may yellow over time from UV rays, but the membrane's integrity and function are not compromised.
- If any doubts arise concerning application or substrate conditions, consult the STAR office.
- Should be applied on sloped Roofs

Health & Safety

STARPROOF 44 contains an acrylic polymer that can be harmful to the skin. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier cream provides additional skin protection. In case of skin contact, rinse with plenty of clean water, cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

For complete Health and Safety instruction and information, please refer to STAR MSDS.

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Additional Information

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative