

Product Data Sheet



STARPROOF 5000

Single Component, Acrylic, Liquid Applied Waterproof Coating

Uses

- Protecting spray-PU membranes from UV rays
- Waterproofing of concrete, asbestos, cement, and gypsum board surfaces
- As a decorative overlay on bituminous membranes and over existing terrazzo tiles
- Corrugated Metal Sheets, GI-Sheets

Product Description

STARPROOF 5000 is a single component resin based elastomeric acrylic liquid applied waterproof coating that has versatile uses for waterproofing in residential and commercial construction. The product is available in white (other colors upon request).

Advantages

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

Standard Compliance

- DIN 1048

Technical Properties

STARPROOF 5000	Typical Values @ Laboratory Conditions
Available colors	White (Other colors based on request).
Drying Time (RH 50%)	60 Minutes
Density	1.30 Kg/ltr (approx..)
Chloride content	NIL
Resistance to positive Water Pressure DIN 1048	> 1.5 Bar
Solid Content	> 54%
Elongation @ break	> 300 %
Weathering resistance	1000 hours – slight discoloration, no deterioration in function
Full cure	7 days
Bond Strength	> 2 mPa
Application Temperature	Minimum +5° C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	<5 gm/ltr

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Application

Surface Preparation

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

Fill surfaces irregularities with a suitable product. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 14 days.

Application

Apply **STARPROOF 5000** with a brush, roll, or airless spray machine.

Prime Porous cementitious surfaces with applicable STAR Primer or diluted **STARPROOF 5000** (1:3).

Apply the first coat of **STARPROOF 5000** 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.

Cleaning

Remove **STARPROOF 5000** 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 5000	20 Kg pail	0.8 – 1.2 Kg/m ² /Coat

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 5000** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations

- **STARPROOF 5000** should not be applied at ambient temperatures below 5°C and dropping.
- **STARPROOF 5000** should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- Being Styrene Acrylic, **STARPROOF 5000** 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 5000 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.

STARPROOF 5000 is non-flammable.

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