

Product Data Sheet



STARPROOF HR-900

Single Component, Premium Quality, Liquid Applied Elastomeric Waterproof Coating – High Solar Reflective Index

Uses:

- Power consumption reducing by High SRI values
- 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 Steel Sheets, GI-Sheets

Product Description

STARPROOF HR-900 is a single component elastomeric water-based acrylic waterproof coating, that has versatile uses for waterproofing in residential and commercial construction. The product is available in white and other colors on request. **STARPROOF HR-900** offers excellent SRI values.



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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 HR-900	Typical Values @ Laboratory Conditions
Available colors	Standard White (Others upon request)
Drying Time (RH 50%)	60 Minutes
Density	1.35 Kg/ltr (approx..)
Chloride content	NIL
Resistance to positive Water Pressure DIN 1048	> 1.5 Bar
Solid Content	> 60%
Tensile Strength	> 1.4 mPa
Elongation @ break	> 700 %
Weathering resistance	1000 hours – slight discoloration, no deterioration in function
Accelerated Weathering (2,000 H)	NO change in Color, NO Cracks, No Chalking
Full cure	7 days
Bond Strength	> 1.8 MPa
Application Temperature	Minimum +5 C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	<1 gm/ltr
Water Vapor transmission	< 0.20 g/m ² /24h
SRI	> 100 %



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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 HR-900** with a brush, roller, or airless spray machine.

Prime Porous cementitious surfaces with a suitable STAR primer or diluted **STARPROOF HR-900** (1:3).

Apply the first coat of **STARPROOF HR-900** at the rate of 1.5 - 2.0 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 HR-900** 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 HR-900	20 Kg pail	0.7-1.0Kg/m ² /Coat

(Custom Packing is available based on request.)

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 WF AC-600** and has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Additional Information

Limitations:

- **STARPROOF HR-900** should not be applied at ambient temperatures below 5°C and dropping.
- **STARPROOF HR-900** should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- If any doubts arise concerning application or substrate conditions, consult the STAR Technical Department.
- Should be applied only on sloped surface

Health & Safety

STARPROOF HR-900 contains an acrylic co-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 instructions and information, please refer to STAR MSDS.

STARPROOF HR-900 is non-flammable.



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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.