

PRODUCT DESCRIPTION

STARPROOF WF WALL COAT is a special acrylic polymer based decorative & waterproof coating. It has excellent flexibility and thixotropic nature, is ideal for use on vertical as well as horizontal surfaces. It is used exterior applications. Due to its white color, it has excellent solar reflectance capacity. It does not contain lead or mercuric compound.

BENEFITS

- Life and durability of the structure is increased.
- Easy application, no machinery required.
- Light weight compared to conventional roofing systems, thereby loading on the roofs is reduced.
- Provides seamless and joint free seal throughout the surface, which is impervious to water.
- Lower labor cost due to easy, simple, and quick application, leading to quick completion and time saving.
- Provides insulation due to solar reflection.
- Excellent bonding to most building materials.

USES

- It is suitable exterior decorative coating.
- Excellent weather resistance protects surface against the extremes.
- Suitable for horizontal as well as vertical surfaces.
- Application of New as well as old surfaces.
- Non-yellowing and fade resistant.
- Waterproofing of flashing, roof edgings, gully, steeply pitched designs, etc.
- Excellent Adhesion to a wide variety of substrates.
- STARPROOF WF WALL COAT is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets, etc.
- 100% Acrylic emulsion forms a breathable film that resists blistering and peeling caused by moisture.
- UV Stable

TECHNICAL DATA SHEET

Appearance	Viscous Liquid
Solid Content (%)	60 ± 2 (ASTM D 1644)
Color	White & Other Available Colours
Specific Gravity	1.30 ± 0.05 (ASTM D1475-03)
Tack Free Time @ 35 ° C	2 to 3 hrs.
Drying Time @ 25° C.	11 – 12 hrs. (ASTM D 1640 - 03)
Hardness Shore A	48±5 (ASTM D 2240-05)
Resistance to Temperature	Approx. -5 °C to +100 °C (ASTM D 2485-05)
Elongation Break	> 350 % (ASTM D 2370-98a)
Tensile Strength N/mm²	>2.0 (ASTM D 2370-98a)
Tensile Set Recovery	98 % (ASTM D 2370-98a)
Crack Bridging (ASTM C 1305)	Passes (No Cracking)
Water Permeability	almost zero
UV Resistance	10,000 hrs. No deterioration or color fade. (ASTM D 822)
Flash Point	Non-flammable
Tear Resistance (KN/M)	24 (ASTM D 624)
Pull-Off Adhesion Strength N/mm²	1.5 (ASTM D 4541)
Water Vapor Transmission g/h-m²	0.89 (ASTM D 1653)
Solar Reflective Index (SRI)	110 (SRTL/SOP/17)
Puncture Resistance (ib)	355 (ASTM F 1306)
Co-efficient of Heat Insulation K Factor Value (SRTL/SOP/22)	90 °C = 0.29 75 °C = 0.21 -40 °C = 0.27
Weathering (10000 Hrs)	Passes the Test (ASTM D 4798)
Coverage	30-33 sq. ft/kg in 2 coat application
Dry Film Thickness	150-200 µm achieved in 2 coats

STAR SPECIALTIES POLYMERS PVT. LTD.

Survey No 52/3 & 54/6-D, Daman Industrial Estate, Village - Kadaiya, Nani Daman, Daman – 396210
Ph: 91-9712925770, www.star-ind.com, Mail: -info@ssplchem.com

KSA

Tel. +996 12 677 7073

Email: - ksa@star-uae.com; web: - www.star-uae.com

UAE

Tel. +971 6 5611411

Email: - uae@star-uae.com web: - www.star-uae.com

METHOD OF APPLICATION

SURFACE PREPARATION

- All substrate should be cleaned and free from dust, plaster, oil, paint, grease, corrosion deposits and any other harmful substances, laitance should be removed by mechanical means.
- Removing all loose, scaling, peeling, blistering, chipping, chalking or gravel, petroleum-based residue, coal tar, salts, efflorescence, or any other chemically reactive substance (solvents) that may affect adhesion.
- All cracks, separation gaps, any surface irregularities, and holes to be filled with **STARBOND SBR SUPER**.
- Surface should be sound and free from undulation prior to application.
- All cracks on plastered surface up to 5-10 mm width to be filled up with **STARPROOF ACF 609**.

APPLICATION OF MEMBRANE

- Apply primer coat of **STARPROOF SUPERPRIME** by brush, or roller. After the primer coat, apply two finishing coats to achieve a closed film and solid color. It is very important to ensure each coat is totally cured (i.e., 6 to 8 hours at 30°C) before the next coat is applied.
- **WF WALL COAT** can be diluted with water (5-10 %) for easy application if required.
- **For Iron or galvanized iron surface:** remove loose paint with a wire brush. De-rust corroded areas and prime with suitable metal primers.
- **Zinc or aluminum:** remove loose paint with a wire brush. Remove corrosion if present and prime with solvent primer. Thoroughly remove moss and mildew with a wire brush; subsequently, clean the surface with a broom. After thorough drying of the primer, the application of **STARPROOF WF WALL COAT** is carried out as previously mentioned.

PRECAUTIONS & LIMITATIONS

- Recommended to be primed with **STARPROOF SUPERPRIME** only.
- Do not apply when ambient temperature is below 10°C or above 45°C.
- Do not apply during rains.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.
- Make sure the surface has a pull off strength more than 1.5 MPa.

- When applying on a concrete surface make sure the concrete is completely cured.
- Asphalt roof surfaces to be coated with **STARPROOF WF WALL COAT** must be at least one year old and load bearing. Application when rain threatens should be avoided for all substrates. The application at temperatures below 5°C will result particularly in case of thick coats, incomplete film formation and consequent reduced elasticity of the film as well as the possibility of formation of cracks in the coating.
- Low temperatures and high atmospheric humidity (such as fog) will slow down curing rate, and vice versa.
- **STARPROOF WF WALL COAT** membranes are resistant to the abrasion or light pedestrian traffic. However, they can be damaged by heavy traffic, high heeled shoes and furniture, and thus should be protected by tiles, slabs, etc. in such cases.

HEALTH & SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

INHALATION: Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift the victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

SKIN CONTACT: Flush with water or soap and water till all traces have been removed. Seek medical attention if required.

STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

PACKING

STARPROOF WF WALL COAT is available in 1, 5, 10, 20 kg. pail, 50,200 kg.

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KSA

Tel. +996 12 677 7073

Email: - ksa@star-uae.com; web: - www.star-uae.com

UAE

Tel. +971 6 5611411

Email: - uae@star-uae.com web: - www.star-uae.com



STARproof

WF WALL COAT

Rev. No./SSPL-0123/03

Product Data Sheet



WARRANTY

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of the results in the field, as manufacturer has no control over site conditions or execution of work.

DISCLAIMER

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products



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