

## PRODUCT DESCRIPTION

**STARPROOF WF AC 601 FB** is a special acrylic resin based fiber reinforced terrace waterproof coating system. It has excellent flexibility and thixotropic nature, with antifungal and crack bridging ability, is ideal for use on horizontal surfaces. It is single pack, very economical and pollution free waterproof coating. Due to its white Color, it has excellent solar insulation capacity. It does not contain Lead or Mercuric compound. It forms higher film thickness, has excellent flexibility, breathing properties, water resistance, crack bridging ability, weathering durability and an excellent resistance to the growth of microorganisms.

## 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.
- Low water absorption
- Low dirt picks up
- Long term exterior durability
- UV stable
- Microbial resistance – Resistance to fungus and algae hence maintains the aesthetic value.
- Fiber reinforcement provides improved tensile strength.

## USES

- Water proofing of plaza, car park deck.
- Water proofing cum decorating of external plastered walls.
- Water proofing of new surfaces as well as for the repairs of old surface, whether previously treated or not.
- Water proofing of roof slabs, terraces, balconies, sunshades, parapet walls, etc.
- Water proofing of flashing, roof edgings, gully, steeply pitched designs, etc.
- STARPROOF WF AC 601 FB provides additional water proofing and protection when used as base and/or intermediate coat in brick bat coba and/or IPS floorings.

- STARPROOF WF AC 601 FB is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets, etc.
- All types of exterior masonry surfaces, concrete, cement sand renderings, etc.
- Applicable on asbestos sheets.

## TECHNICAL DATASHEET

<b>Appearance</b>	Viscous Liquid
<b>Solid %</b>	67 ± 2 (ASTM D 1644-03)
<b>Color</b>	White
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	> 1.5 (ASTM D 412)
<b>Specific Gravity</b>	1.3 ± 0.10 (ASTM D 1475-03)
<b>Tack Free time @ 35° C</b>	2 to 3 hours
<b>Application temperature</b>	+5° C minimum
<b>UV Resistivity</b>	Good
<b>Flash point</b>	Non-Flammable
<b>Drying Time @ 25° C</b>	8 – 10 hrs. (ASTM D 1640-03)
<b>Coverage (ASTM C 4075)</b>	1 Kg/Sqm in 2 coats.
<b>Dry Film Thickness</b>	500-600 µm achieved in 2-coats
<b>Elongation</b>	> 350 % (ASTM D 412)
<b>Pull off adhesion strength</b>	> 1.5 MPa
<b>Crack Bridging</b>	Passes ( ASTM C 836 )
<b>SRI</b>	114 (SRTL/SOP/17)

## APPLICATION OF MEMBRANE

Surface should be free from oil, grease, and loose particles. In case of metal surface remove rust and contamination (Apply Metal Primer) for better protection. If the surface has been already treated with asphalt or bitumen coatings or roofing felts and any blisters, peel-off traces, loose laying, etc. must be cut away and be properly filled. Masonry joints must be flush jointed. In case of tiling the roof, terrace, balcony or sunshade, the joints between the tiles should be properly filled to avoid water penetration through the joints.

Mix well the container. Apply primer coat of **STARPROOF SUPERPRIME** by brush, spray, or roller. After the primer coat

## 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](http://www.star-ind.com), Mail: [-info@ssplchem.com](mailto:-info@ssplchem.com)

KSA

Tel. +996 12 677 7073

Email: - [ksa@star-uae.com](mailto:ksa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

UAE

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web: - [www.star-uae.com](http://www.star-uae.com)



is completely dried, apply minimum 2 coats of undiluted WF-AC-601 FB. It is very important to ensure each coat is totally cured (i.e., 8 hours at 30°C) before the next coat is applied. For better result use **GLASS FIBRE MESH REINFORCEMENT** embedded into first coat of **STARPROOF WF AC 601 FB** while still wet mainly expansion areas joints with parapet.

#### CLEANING

All brushes and tools should be cleaned by water immediately after use.

#### PRECAUTIONS & LIMITATIONS

- Recommended to be primed with **STARPROOF SUPERPRIME** only.
- Do not apply when ambient temperature is below 5°C or above 45°C.
- Do not apply during rains.
- Adhesion property may get effected 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.
- For performing any kind of pond tests in case of waterproofing kindly allow the membrane to be cured for minimum 7 days.

#### 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 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 AC 601 FB** is available in 1, 5, 10, 20 kg pail, 50, 200 kg.

#### 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 meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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Ph: 91-9712925770, [www.star-ind.com](http://www.star-ind.com), Mail: [-info@ssplchem.com](mailto:-info@ssplchem.com)

#### KSA

Tel. +996 12 677 7073

Email: - [ksa@star-uae.com](mailto:ksa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

#### UAE

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web: - [www.star-uae.com](http://www.star-uae.com)