

# Product Data Sheet



## STARPROOF WF AC-603

Single component, elastomeric, 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 Steel Sheets, GI-Sheets

### Product Description

**STARPROOF WF AC-603** is a single component elastomeric water-based acrylic membrane that has versatile uses for waterproofing in residential and commercial construction. The product is available in white and other colors on 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 WF AC-603                            | Typical Values @ Laboratory Conditions                          |
|--|---|
| Available colors                               | White (Others on request)                                       |
| Drying Time (RH 50%)                           | 60 Minutes  |
| Density  | 1.25 Kg/ltr (approx..)  |
| Chloride content                               | NIL   |
| Resistance to positive Water Pressure DIN 1048 | > 1.5 Bar   |
| Solid Content                                  | > 60%   |
| Tensile Strength                               | > 1.6 mPa   |
| Elongation @ break                             | > 600 %   |
| Weathering resistance                          | 1000 hours – slight discoloration, no deterioration in function |
| Full cure                                      | 7 days  |
| Bond Strength                                  | > 1.4 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 <sup>2</sup> /24h                                    |
| SRI  | > 80 %  |

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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 WF AC-603** with a brush, roller, or airless spray machine.

Prime Porous cementitious surfaces with a suitable STAR primer or diluted **STARPROOF WF AC-603** (1:3).

Apply the first coat of **STARPROOF WF AC-603** at the rate of 1.5 - 2.0 m<sup>2</sup>/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 WF AC-603** 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           |
|----------------------------|------------|--------------------------------|
| <b>STARPROOF WF AC-603</b> | 20 Kg pail | 0.7-1.0Kg/m <sup>2</sup> /Coat |

Custom Packaging 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-603** 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 WF AC-603** should not be applied at ambient temperatures below 5°C and dropping.
- **STARPROOF WF AC-603** should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- Being Styrene Acrylic, **STARPROOF WF AC-603** 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.

## Health & Safety:

**STARPROOF WF AC-603** 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 instructions and information, please refer to STAR MSDS.

**STARPROOF WF AC-603** is non-flammable.

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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.