



StaRoof AC-603

(Elastomeric Acrylic Waterproof Coating)

DESCRIPTION:

STAROOF AC-603 is a blend of special Acrylic Polymer resins and additives; **STAROOF AC-603** provides a seamless, durable, elastomeric and vapor permeable membrane. It has excellent UV resistance.

USES

STAROOF AC-603 is used for concrete roofs, polyester built up roofs, masonry and concrete walls. It can also be used for other applications such as reflective and protective waterproof coating to concrete, asphalt and bitumen, asbestos cement, slates and tiles, zinc, timber surfaces, etc.

SPECIAL FEATURES

- Absolutely waterproof.
- Seamless, tough and flexible finish.
- High solar reflectivity & UV protection.
- Suitable for a variety of roof substrates.
- Water vapor permeable.

APPLICATION

SURFACE PREPARATION

- **STAROOF AC-603** may be applied by brush, roller, squeegee or spray equipments. The actual method of application is selected depending on the circumstances of the particular project. To spray, select a nozzle size of at least depending 0.028 in., first checking the spray equipment to ensure suitability.
- All surfaces to be coated must be clean, dry and free from dust, dirt, oil, grease and other contaminants.
- Apply in separate coats, each at right angles to the one before. Using a different

color for each coat helps ensure consistency of cover.

- After surface preparation, apply single primer coat of **STAROOF AC-603** by brush, roller or spray.

WATERPROOFING & PROTECTION

- Wait until primer has dried before commencing work.
- Build up the required membrane thickness by applying multiple coats of **STAROOF AC-603**
- Where substantial movements are anticipated in the substructure, reinforce the **STAROOF AC-603** by incorporating mesh reinforcement as part of a 'sandwich' membrane system. Lay this mesh in the wet first coat before application of subsequent coats. All detailing to pipes, up stands, drains, projections, etc. should be mesh reinforced in this way.

ACCESSIBLE ROOFS

A separation layer of polyethylene, Kraft paper or similar should be placed on the **STAROOF AC-603** membrane before topping with sand cement screed or tiles of 4 to 5 cm thickness.

WEATHER CONDITIONS

Actual drying time depends on climatic conditions and may vary from one hour to one full day. Do not start work if rain is forecasted for the subsequent 24 hours.



CLEANING

Brushes, tools and other equipment should be cleaned with water whilst wet.

HEALTH & SAFETY

Generally safe, non-toxic and non-flammable whilst wet. However, avoid prolonged skin contact. Use of cream, gloves is advisable. If eyes are affected by **STAROOF AC-603**, rinse with copious amount of clean water. If ingested, seek medical attention immediately.

STORAGE

Store in dry, away from direct sunlight, at temperatures above 5°C and below 30°C. When stored in unopened containers expect a minimum shelf life of one year.

PACKING

STAROOF AC-603 is available in 20 kg. pail.

TECHNICAL DATA

PROPERTY	RESULT	TEST METHOD
Solids Content, %	58 ± 5	ASTM D 1076
Specific Gravity	1.28 ± 0.10	ASTM D 1475 - 16
Flash point	Non-flammable	---
Service Temperature, °C	-5 to +100	ASTM A - 491*
Coverage	1 kg/m ² for 0.5 mm dry film thickness	ASTM C 4075*
Application Temperature, °C	5 (minimum)	---
Tensile Strength, N/5cm	91.2	ASTM D - 412
Elongation, at 25°C, %	Approx. 341	ASTM D - 412
Hardness, shore A	61	ASTM D 2240
Water vapor transmission, gm/hr/ m ²	1.525	ASTM E 96
UV Resistance, hrs	10,000. No deterioration or color fade.	ASTM D 822
Color	White / Grey	---

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 responsibility is limited to the quality of supplies with no guarantee of results in the field, as manufacturer has no control over site conditions or execution of work.

Star Adhesive & Resin Ind. Factory