

Product Data Sheet



STARPROOF WF AB-606

High Quality, Single Component, Flexible, Cold - Liquid Applied, Modified Bituminous Waterproofing Membrane

Uses:

- Coating of PU-Foam
- Wet Areas = Kitchen, Bathrooms, Toilets, Swimming Pools
- Concrete Basements, Culverts, Foundations
- Shaded or Tiled / Ballasted sloped Roofs
- Retaining Walls
- Maintenance and Repair of existing Roofs

Product Description

STARPROOF WF AB-606 is a single component, cold applied, flexible waterproofing membrane. Formulated from selected Raw Materials, blended with special resins with water repellent fillers, mineral stabilizers and gelling agent. Forming a flexible waterproofing and protective coating for concrete and masonry.

Advantages

- Cures to a highly flexible / elastic rubber like membrane.
- Easy to use single component – Applied by Brush or Roller
- Bridging minor cracks – Hairline Cracks
- Resists chemical attack by chloride and sulphate ions present in the ground water.
- Excellent adhesion to all common concrete substrates.
- Thermally and chemically stable

Standard Compliance

- ASTM D 4541
- ASTM D 412
- ASTM E 96

Technical Properties

STARPROOF WF AB-606	Typical Values @ Laboratory Conditions
Available colors	Black
Solid Content, % (ASTM-D 1475-03)	52 - 60
Density kg/l	0.95 – 1.15
Tear Resistance, KN/m	15 - 22
Tensile Set recovery, %	85
Tack free time, hr @ 35°C	5 - 8
Hardness Shore A (ASTM-D 2240-05)	> 30
Water Vapor transmission, g/h-m ² (ASTM E 96-95)	0.18
Drying Time, @ 25°C hrs (ASTM D 1640-03)	10
Elongation Break, % (ASTM –D 412-98)	> 230
Tensile Strength N/mm ² (ASTM –D 412-98a)	1.8
Chemical Resistance, % Weight change -10% salt (Sodium chloride) - 5% Alkali (Caustic soda) - 5% Acid (Sulphuric)	Excellent

Product Data Sheet

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.

Cracks need to be chased – Concrete surface (Honeycombs) needs to be repaired with a suitable product.

Fill surfaces irregularities with a suitable product. Maximum moisture content should not exceed 6%. New concrete structures need to dry for at least 28 days.

Priming

Priming is normally not required on good quality concrete substrates.

However, high absorbent surfaces such as porous concrete use or dusty areas should be primed with **STARPROOF WF AB-606** - 20% diluted by water as a primer.

Leave the primer to cure before the application of **STARPROOF WF AB-606** at normal conditions.

Application

STARPROOF WF AB-606 can be applied in two coats by roller or brush or squeegee at a wet film thickness of approx.. 0.8 mm thickness per coat.

STARPROOF WF AB-606 should be applied in two coats at a dry film thickness of min 600 microns per coat for Waterproofing. As a protective coating single coat approx.. 300 mic..

Fiberglass scrim and joint tapes should be used at critical areas, where membrane reinforcement is required.

Tiling over **STARPROOF WF AB-606** is possible. In that case, spray sand over **STARPROOF WF AB-606** while still wet. After 24 hours, excess sand to be removed to form a rough, strong, viable surface suitable to bond with tile adhesives.

Allow approx.. 3 h between coats and min. 10 h drying.

Curing and protection

STARPROOF WF AB-606 must be completely dry (e.g up to 10 hours at 25°C) prior to the placement of any protection layer. In order to protect **STARPROOF WF AB-606** against any damage caused by e.g backfilling or traffic, it must be protected using either a cementitious screed or protection boards. A separation sheet can be laid under the protection layer if necessary, to avoid any bonding to the membrane.

STARPROOF WF AB-606 is not resistant to UV radiation.

Cleaning

Remove **STARPROOF WF AB-606** product from tools, equipment, and mixers with STAR Solvent or Water before the initial set. Cured material can only be removed mechanically.

Packing & Coverage

Product	Pack Size	Theoretical Coverage
STARPROOF WF AB-606 Waterproofing	18 Kg pail	2 Coats @ 1 – 1.3ltr/m ² /Coat @ 600 mic thickness
STARPROOF WF AB-606 Protective Coating	18 Kg pail	1 Coat @ 0.2 – 0.3 ltr/m ²

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

STARPROOF WF AB-606 has a shelf life of 12 months in original sealed container, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations

- Do not apply **STARPROOF WF AB-606** if the ambient or substrate temperature is >50C, or when ambient relative humidity is >85%.
- If any doubts arise concerning application or substrate conditions, consult the STAR office.
- STARPROOF WF AB-606** offers good UV protection, but is NOT UV stable

Health & Safety:

STARPROOF WF AB-606 contains bitumen, polymers 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.

Product Data Sheet

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