



Method Statement

STARPROOF WF AB-606

(Single Component Modified Bitumen Waterproof Membrane)

Rev.: A, Date: 25.06.2025



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Section A: General Considerations

Tools & Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement.

Equipment Type	Equipment Description
Protective clothing	- Protective overalls - Good quality gloves, goggles and face mask - Respiratory protective Equipment
Mixing equipment	Low Speed drill, 400 or 500 rpm, fitted with a suitable mixing paddle.
Surface Preparation Equipment	- Wire Brush - Proprietary blasting equipment - Industrial Vacuum
Application Equipment	- Masking Tape - Brush, Roller, Gauged Spreader, Airless Spray - Glass fiber scrim, Joint Tapes

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

1. Store unmixed materials in a cool environment, avoiding exposure to direct sunlight.
2. Keep equipment cool, it is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
3. Try to avoid application during the hottest times of the day, arrange temporary shading as necessary.
4. Make sufficient material, plant and labour available to ensure that application is a continuous process.

Application - points of note

STAR operates a policy to encourage the use, where possible, of approved or licensed applicators. This ensures that applications are completed satisfactorily so that the long term performance of the materials is assured.

For contractors who wish to apply the materials themselves STAR is also able to offer technical assistance and training.

STAR offers technical assistance and training, either on-site or at its training center in the Kingdom of Saudi Arabia.

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Section B: Application Instructions

1. Surface Preparation

- 1.1 Surfaces to be coated should be clean, solid, free from loose materials, oil grease, paints and free from contamination such as oil, grease, loose particles, decayed matter, moss algal growth, laitance, and all traces of mold, release oils and curing compounds. This is best achieved by lightly grit-blasting the surface.
- 1.2 Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process.
- 1.3 Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with a appropriate concrete repair system.
- 1.4 Concrete substrates should be at least 14 days old.
- 1.5 Surface must have an open capillary system.
- 1.6 Priming is usually not required on good quality surfaces / substrates However for highly porous, absorbent concrete or dusty areas, use diluted (Water - 1:1) STARPROOF WF AB-606 applied by Brush.
- 1.7 Allow 3 – 5 h to dry.

2. Mixing

- 2.2 STARPROOF WF AB-606 needs to be mixed thoroughly, best by a Paddle mixer before application

- 2.3 The mix should be placed in time after mixing, more material should not be mixed than can be used within pot life.

3. Application

- 3.1. STARPROOF WF AB-606 can be applied by brush, roll, Airless Spray Equipment or gauged spreader.
- 3.2. STARPROOF WF AB-606 should be applied:
 - 3.2.1. Protective Damp Proofing Coating: 3-5 m²/ltr
 - 3.2.2. Waterproof Coating: 1 – 1.5 m²/coat (2 coats recommended)
 - 3.2.3. Curing Compound: 2 m²/ltr
- 3.3. The second coat should be applied perpendicular to the first coat at the same rate above, and allowed to cure.
- 3.4. STARPROOF WF AB-606 is recommended to be applied in Wet in Wet application. Protect the membrane with a cementitious screed or protection boards where damage to the membrane is possible.
- 3.5. Use glass fiber scrim and joint tapes on all right angle corners, pipes, drains and critical areas for reinforcement of the membrane (min. 60g/m²)
- 3.6. Tiling over STARPROOF WF AB-606 is possible. In such cases, a third coat is recommended + spray sharp sand over STARPROOF WF AB-606 while still wet. 48 hours later, remove all excess sand, and use a suitable tile adhesive to bond the tiles directly over the membrane.

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4. Cleaning

- 1.1. STARPROOF WF AB-606 product should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

Section C: Approval and Variations

This method statement is offered by STAR Technology as a 'standard proposal' for the application of STARPROOF WF AB-606. It remains the responsibility of the Engineer to determine the correct method for any given application.

Where alternative methods are to be used, these must be submitted to STAR Technology for approval, in writing, prior to commencement of any work. STAR Technology will not accept responsibility or liability for variations to the above method statement under any other condition