Method Statement

STARFIX 30-60

(One Component Acrylic HVAC Coating)

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
Mixing equipment	▪ Mixing drill, 400 or 500 rpm, fitted with a suitable mixing paddle.
Surface Preparation Equipment	▪ Wire Brush ▪ Solvents – Cleaning Agents ▪ Cloths
Application Equipment	▪ Masking Tape ▪ Brush, Roller, Spraying Equipment

High temperature working

It is suggested that, for temperatures above 35^0C, 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. Either on-site or at its Training Centre 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 before coating.

2. Mixing

2.2 STARFIX 30-60 needs to be mixed thoroughly 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.

2.4 Dilution with water should not be done.

3. Application

3.1. STARFIX 30-60 is compatible with EPS-Expanded Polystyrene, Fibrous and Polyurethane PU-Foam Insulations and may be applied to the Joints and Edges in order to seal and prevent air loss.

3.2. STARFIX 30-60 can be applied by brush, roller, or airless spray machines.
STARFIX 30-60 Coating may be airless spray applied. Average viscosity range: 70,000 – 90,000 cps. Corrosion resistant pumps and fittings are suggested. Please contact STAR for suitable Spray Equipment packages.

3.3. Step 1:
Apply a tack coat at 60 – 70 sq. ft. per gal. (1.5 – 1.7 m2/l).

3.4. Step 2:
Immediately embed the selected fabric into the wet coating. Smoothen out the area to avoid wrinkles and overlap seams by at least 5 cm.

3.5. Step 3:
Immediately apply a finish coat at 1.5 – 1.7 m2/l. The dry film thickness of this application will vary with the fabric selected. Air conditioning ducts, coverage rate is recommended at 1.0 – 1.2 m2/l for each coat

3.6. Top Coat:
The protective coating can be top coated by any suitable material. Compatibility to be confirmed by the user.

4. Cleaning

1.1. STARFIX 30-60 product should be removed from tools, equipment and mixers with clean water immediately - 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 STARFIX 30-60. 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