Method Statement

STARBOND EPR PUTTY 700

(Two Component, Multi Purpose Epoxy Repair Putty)

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 Coveralls ▪ Good quality gloves and face mask ▪ Eye Protection
Mixing equipment	▪ Paddle Mixer ▪ Manual Mixing Tools
Surface Preparation Equipment	▪ Solvent ▪ Steam Cleaning Equipment ▪ Industrial Vacuum
Application Equipment	▪ Brush, Trowel, Short Haired Lamb Wool Roller, Gauged Squeegee ▪ Spatula

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 Technologies 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 be dry, 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 that could interfere with bonding.

1.2 STAR solvent can be used to clean and degrease surfaces.

1.3 Abrasion may be involved, as lightly sanding surfaces to improve adhesion, especially on smooth or glossy materials.

1.4 Surfaces should be dry and within the recommended temperature range specified by the manufacturer (typically 10°C to 40°C).

2. Priming

2.1. If the concrete surface is porous, it is recommended to use STARBOND EPP 100SF/200SB.

2.2. Mix **STARBOND EPR PUTTY 700** as supplied, add the entire content of hardener (Part B) into the base (Part A) and mix thoroughly about 2minutes, avoid over mixing.

2.3. When thoroughly mixed, preferably using a slow speed mixer, apply the primer in a thin, continuous film using rollers or stiff brushes.

2.4. Work the primer well into the concrete surface, taking care to avoid ponding or over application

2.5. Leave the primer to achieve a tack-free condition before applying the topcoat.

3. Mixing

3.1 Mix **STARBOND EPR PUTTY 700** as supplied, add the entire content of hardener (Part B) into the base (Part A) and mix thoroughly about 3 minutes, avoid over mixing, DO NOT USE SOLVENT THINNERS.

4. Application

4.1 The application and cure temperature must be above 15°C.

4.2 Apply immediately after mixing.

4.3 Press firmly into cracks or cavities using putty knife.

4.4 Ensure no air entrapment.

4.5 Maximum thickness per layer: typically, 5–10 mm.

4.6 For deeper repairs, apply in multiple layers after initial set.

Surface finishing can be done with solvent-dampened trowel.

5. Curing

5.1 Initial set: 3–6 hours at 25°C

5.2 Full cure: 24 hours

5.3 Protect from dust, vibration, and water during curing

5.4 Lower temperature increases curing time

6. Cleaning

6.1 **STARBOND EPR PUTTY 700** should be removed from tools, equipment and mixers with Star Solvent prior to the initial set.

Section C: Approval and Variations

This method statement is offered by STAR Technologies as a 'standard proposal' for the application of **STARBOND EPR PUTTY 700**. 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 Technologies for approval, in writing, prior to commencement of any work. STAR Technologies will not accept responsibility or liability for variations to the above method statement under any other condition