# Method Statement

# STARBOND WN

**(Single Component, UV Stable, High Modulus, Neutral Curing Silicone Sealant)**

**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<br>▪ Good quality gloves and face mask<br>▪ Eye Protection<br>▪ Respiratory protective Equipment |
| Mixing equipment | ▪ N/A |
| Surface Preparation Equipment | ▪ Wire Brush<br>▪ Proprietary blasting equipment<br>▪ Steam Cleaning Equipment<br>▪ Industrial Vacuum |
| Application Equipment | ▪ Bond Breaker Tape/Masking Tape<br>▪ PE Joint Filler, PE Backing Rod<br>▪ Extraction Gun |

### High temperature working

It is suggested that, for temperatures above 35$^0$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. 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 Joint surfaces shall be clean, dry, sound, and free from dust, oil, grease, wax, loose particles, laitance, curing compounds, mold release agents, old sealants, and any other contaminants that may impair adhesion.

1.2 Where moss, algae, or similar biological growth is present, remove the contamination completely and treat the surface with a suitable biocide before sealant application.

1.3 Any loose, damaged, or deteriorated substrate shall be removed and repaired to provide a sound and stable surface before applying the sealant.

1.4 Clean non-porous substrates using a suitable cleaning solvent and the two-cloth cleaning method. Wipe the surface with one cloth dampened with the cleaning solvent, followed immediately by a second clean, dry cloth to remove any solvent residue.

1.5 Before installing the backing rod or bond breaker tape, ensure the joint is clean and that any joint filler is securely positioned with no gaps or voids. Install a suitable closed-cell backing rod or bond breaker tape to achieve the specified joint geometry and prevent three-sided adhesion.
For joints incorporating closed-cell polyethylene backing rod, a separate bond breaker tape is generally not required. For construction or contraction joints where backing rod cannot be used, install a suitable bond breaker tape or back-up strip as required.

### 2. Priming

2.2 Priming is usually not required on good quality surfaces / substrates, however for highly porous or absorbent concrete, use STAR Primer

### 3. Application

Prepare the STARBOND WN sausage by cutting one end of the sausage pack and inserting it into a suitable sausage application gun.

3.1. Close the application gun securely and fit the nozzle. Cut the nozzle at a 45° angle to the required bead size, depending on the joint width.

3.2. Apply STARBOND WN by extruding the sealant continuously into the prepared joint, ensuring that the joint is completely filled without entrapping air

3.3. Immediately after application and before skin formation, tool the sealant within approximately 5 minutes to achieve a smooth, uniform finish and to ensure intimate contact between the sealant and the joint surfaces. Tooling may be carried out using a suitable sealant finishing tool or an approved smoothing liquid. Where masking tape is used to obtain clean joint edges, it shall be removed immediately after tooling and before the sealant begins to cure.

### 4. Cleaning

1.1. STARBOND WN product should be removed from tools, equipment and mixers with Solvent 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 STARBOND WN. 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