



Method Statement

STARCEM 2K

(Two Component Cement Based Waterproof 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	- Measuring jug 1 KW slow speed drill, 400 or 500 rpm, fitted with a mixing paddle and suitably sized mixing vessel, or Forced-action mixer, fitted with a suitable paddle
Application Equipment	Stiff bristle brush

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 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 etc.
- 1.2 Seal the fissures and imperfections and create a junction between floor & walls by making 45° fillet
- 1.3 Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with one of Saveto repair products.
- 1.4 Cracks which are less than 0.3 mm in width can be over-coated as long as the crack is not likely to open up to greater than 0.3 mm. Cracks which are greater than 0.3 mm in width should be chased out to 4 mm in width and approximately 15 mm in depth. This should be filled with STARCEM 2K.

2. Mixing

- 2.1 STARCEM 2K is supplied in pre-measured quantities.
- 2.2 Pour liquid component into a plastic or metal drum than add powder component gradually to the liquid while mixing using a slow speed drill (400-500 rpm) for 3-4 minutes avoiding lump formation.
- 2.3 The mix should be placed immediately after mixing, more material should not be mixed than can be used within pot life.
- 2.4 Re-tempering with water should not be done. Keep on stirring during application.

3. Application

- 3.1 Soak the surfaces with plenty of water when application is carried out over brick works or cement plaster, surface should appear damp on the time of application.
- 3.2 Apply the mixed material using a short, stiff bristle brush like a paint.
STARCEM 2K shall be applied in two coats to achieve min. 1mm thickness.
- 3.3 The second coat of STARCEM 2K shall applied after 6- 8 hours after applying the first coat
- 3.4 Trowel applications can be undertaken as necessary using the correct mixing ratio to obtain satisfactory consistency.
- 3.5 When using in drinking water reservoir, wash the applied coat thoroughly with plenty of water, while scrubbing the surfaces with sponge before using the tank.

4. Cleaning

STARCEM 2K should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

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Section C: Approval and Variations

This method statement is offered by STAR Technology as a 'standard proposal' for the application of STARCEM 2K. 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