

# Method Statement

## Proofex Self Adhesive Geotext

### Section A : General Comments

#### High temperature working

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

- (i) Store unmixed materials in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
- (iii) Try to avoid application during the hottest times of the day, arrange temporary shading as necessary.
- (iv) Make sufficient material, plant and labour available to ensure that application is a continuous process.

#### Equipment

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

<i>Protective clothing</i>	:	Protective overalls
	:	Good quality gloves, goggles and face mask
<i>Application equipment</i>	:	Cutter, Broom, Roller

#### Application - points of note

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

### Section B : Application Method

#### 1.0 Surface Preparation

- 1.1 Clean all concrete surfaces free of laitance, dust, dirt, cavities, projecting nibs etc.
- 1.2 Make sure that the surface is dry and smooth.
- 1.3 Wall/Floor slab junctions should be made smooth using a sand/cement mortar.

- 1.4 Internal and External corners of walls and up stands should be protected with Proofex reinforcing strip and corner pieces.

## **2.0 Priming**

- 2.1 All surfaces, shall be coated with Proofex Tack Coat, if used as curing and substrate priming, by brush or roller, and allowed to dry to a 'tack free' condition, prior to application of the membrane.
- 2.2 If left for more than 24 hours, the surface should be re-primed before proceeding with application of the membrane.

## **3.0 Application – horizontal (Raft Slab)**

The area of Proofex Self Adhesive Geotext laid in a working day should not exceed that which can be effectively protected (see below, section 8.0) in the same working period, in order to ensure that the membrane is not subjected to site traffic.

- 3.1 Lay out the first complete roll of Proofex Self Adhesive Geotext and align with a chalk line set out on the floor.
- 3.2 Unroll one roll half way along the membrane to maintain alignment, without removing the release paper. Roll back the spread out membrane to the midpoint.
- 3.3 Carefully make a cut across the release paper only of the rolled up Proofex Self Adhesive Geotext. Take care not to cut through the membrane.
- 3.4 Ease the release paper away from the bitumen compound and start to unwind the roll by a steady pull on the release paper.
- 3.5 As the roll unwinds, press the Proofex Self Adhesive Geotext firmly onto the surface using a broom, working from the centre outwards to expel all trapped air.
- 3.6 Repeat this process with the second half of the roll.
- 3.7 The next roll or length should be aligned against the previously applied piece allowing for the 75mm minimum (or as specified) edge lap and 150 mm end lap.
- 3.8 All edges and laps should be rolled to ensure proper contact and bond of the laps. All overlaps on vertical and sloping surfaces must be weathered.

## **4.0 Application – vertical (Retaining Wall)**

The area of Proofex Self Adhesive Geotext laid in a working day should not exceed that which can be effectively protected (see below, section 7.0) in the same working period, in order to ensure that the membrane is not subjected to site traffic.

- 4.1 Proofex Self Adhesive Geotext should be applied to ensure that all end laps are weathered.
- 4.2 Cut Proofex Self Adhesive Geotext to length allowing an extra 150 mm for each end lap.

- 4.3 Starting at the top of the wall, offer up the Proofex Self Adhesive Geotext to the tack coated surface. Remove the release paper from the start of the piece. Progressively peel back the release paper and press the membrane firmly into position working from the centre outwards to expel all trapped air.
- 4.4 To obtain a weathered lap it may be necessary to retain the last 500 mm of release paper on the piece. Only when the drop or corner detail is being completed, remove this remaining piece of release paper and smooth down the underlying Proofex Self Adhesive Geotext.
- 4.5 The next roll or length should be aligned against the previously applied piece allowing for the 75mm minimum (or as specified) edge lap and 150mm end lap. The selvedge release film should only be removed immediately prior to the lap being made.

## 5.0 Termination Details

- 5.1 Where Proofex Self Adhesive Geotext is to be terminated (e.g. at the top of a wall) a 20 mm x 20 mm chase should be provided. The membrane should then be dressed into the chase and pointed immediately with Plastiseal, or similar approved bituminous sealant.

## 6.0 Penetration Points

- 6.1 Where a penetration needs to be made in the Proofex Self Adhesive Geotext (e.g. for pipe entry), reinforcing strips (star cut and splay cut) will need to be specially provided, in accordance with Fosroc's recommendations.

## 7.0 Protection and Repairs

- 7.1 Damaged areas of Proofex Self Adhesive Geotext must be repaired with a minimum 300mm x 300mm patch to ensure that there is at least 150mm overlap of Proofex Self Adhesive Geotext all around the damaged area.
- 7.2 If work is continued from one day to the next, all exposed edges must be sealed by rolling, to prevent water penetration.
- 7.3 All installed areas of Proofex Self Adhesive Geotext should be protected as soon as possible after application with Fosroc's Protection Board.

## Section C : Approval and variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of Proofex Self Adhesive Geotext. 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 Fosroc for approval, in writing, prior to commencement of any work. Fosroc will not accept responsibility or liability for variations to the above method statement under any other condition.