

## Aquaguard Method Statement

(Elastomeric acrylic waterproof coating for roofs)

### Section A: General Comments

#### High-Temperature Working

It is suggested that, for temperatures above 40°C, the following guidelines are adopted as good working practice:

- (i) Unmixed materials and equipment should be stored in cool, dry place and away from direct sunlight.
- (ii) Plan for enough material, tools and labours to avoid any stoppage during the application process.
- (iii) Avoid application through peak temperatures of the day.
- (iv) Ensure proper and adequate ventilation.

#### Equipment

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

<i>Personal protection</i>	:	<i>Protective overalls, thick gloves, goggles and face mask</i>
<i>Preparation equipment</i>	:	<i>Stiff wire brush</i>
	:	<i>Soft brush</i>
	:	<i>Air compressor</i>
<i>Application equipment</i>	:	<i>Brush, roller or airless spray</i>

### Section B: Application

#### 1.0 Preparation

- 1.1 All surfaces to be waterproofed must be clean, sound, dry, and free of all surface contaminations such as form release agents, curing compounds, laitance, dust, dirt, cavities, projecting nibs, etc.
- 1.2 If present, laitance should be removed from concrete by grit blasting or wire brushing.
- 1.3 Ensure the substrate surface is smooth and free from cracks. Any surface imperfections shall be repaired using a suitable cementitious repair mortar.

Notes:

- *New concrete structures need to cure and dry for at least 14 days.*
- *Aquaguard should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.*
- *It is not recommended to apply this material if the ambient temperatures might drop to below 5°C.*



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## 2.0 Priming

- 2.1 **Aquaguard** is designed to be applied over well-prepared substrates directly without a primer.
- 2.2 For extremely porous substrates, it is recommended to dilute **Aquaguard** with water 1:1 and apply it as a primer coat @ 5 m<sup>2</sup>/ltr and allow it to dry.
- 2.3 For fairface concrete surfaces, roughening the surface before application is needed. Alternatively, if roughening is not possible, **Repcoat Primer** should be used.

*Note: For applications over corrugated iron sheets, substrate should be primed with **Strongcoat WD** or **Repcoat PM** before the application of **Aquaguard**.*

## 3.0 Application

- 3.1 **Aquaguard** can be applied by brush, roll, or airless spray machine.
- 3.2 The first coat of **Aquaguard** should be applied at the rate of 0.53 kg/m<sup>2</sup> and allowed to cure for 4 - 12 hours (depending on the ambient temperature) before being overcoated with the second coat.
- 3.3 The second coat should be applied perpendicular to the first coat at the same rate above and allowed to cure.

*Note: For substrates that will be subjected to pedestrian traffic, it is recommended to use fibreglass scrim reinforcement, embedded firmly in the second coat while still wet, and a third coat should be applied at the same coverage rate.*

## 4.0 Cleaning

- 4.1 Tools and equipment can be cleaned **immediately** before curing with clean water. Cured material must be removed mechanically.

### Section C: Approval and variations

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



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