

## Aquathane R100 Black Method Statement (Polyurethane liquid membrane for waterproofing and protection)

### Section A : General Comments

#### High temperature working

It is suggested that, for temperatures above 25°C, the following guidelines are adopted as good working practice:

- (i) Unmixed materials and equipment should be stored in a cool 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. laitance should be removed from concrete by grit blasting or wire brushing.
- 1.2 Ensure the substrate surface is dry, and smooth, and any surface imperfections are repaired with a suitable cementitious repair mortar.

Notes:

- *Maximum moisture content of substrate surface should not exceed 5%.*
- *New concrete structures need to cure and dry for at least 28 days.*



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## 2.0 Priming

2.1 **Aquathane R100 Black** can be applied directly over well-prepared and sound concrete substrates.

2.2 For highly porous surfaces, **Aquathane R100 Black** can be diluted by 5 - 10% using DCP Solvent PU.

*Note: It is always recommended to test the adhesion between the substrates and **Aquathane R100 Black** on a small area on site prior to proceeding with works in order to ensure that the substrate is well prepared and compatible with the product.*

## 3.0 Application

3.1 A coving detail must be formed at all corners and normal PVC pipes minimum 1 cm x 1 cm fillet from **Flexseal NS901**.

3.2 Mix the material well before use using a low-speed (300 rpm) mixer or electric drill.

3.3 Apply the first coat with a brush or roller at a rate of 0.7 - 0.8 kg/m<sup>2</sup>.

*Note: Do not leave more than 48 hours between two coats of **Aquathane R100 Black**.*

3.4 Reinforcement mesh to be installed at all corners with 30 cm strip to be fixed while the first coat is still wet.

3.5 After the first layer is tack free, apply the second coat of **Aquathane R100 Black** with a brush or roller at a rate of 0.7 - 0.8 kg/m<sup>2</sup>.

Notes:

- Since **Aquathane R100 Black** cures with moisture, low humidity conditions will extend the tack-free and recoat time.
- A minimum of 2 coats is recommended at the above mentioned coverage rates.

## 4.0 Cleaning

4.1 Tools and equipment can be cleaned with a paper towel and wiped by using **DCP Solvent PU**.

### Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Aquathane R100 Black**. 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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