

Aquathane PE450 Method Statement (Single component, water-based polyester waterproofing, and protective coating)

Section A : General Comments

High temperature working

It is suggested that, for ambient temperatures above 40°C, the following measures should be adopted as good working practice:

- (i) Materials and equipment should be stored in a cool place, 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 The substrate should be dry, clean, and free from laitance, wax grease, dirt, oil, or any materials that could affect the bond.
- 1.2 Cement laitance, loose particles, mold release agent, or curing membranes must be removed using water jetting.
- 1.3 Porous surfaces should be thoroughly pre-soaked with clean water for 30 minutes. Ensure excess water is removed before application of **Aquathane PE450**.

Note: If the surface is contaminated by oil or grease, it is recommended to consult our technical department to advise on a suitable method for removing the contamination.

- 1.4 All cracks and spalled concrete should be repaired before starting the application as recommended by our technical department.



expertise



quality



full range

2.0 Priming

- 2.1 **Aquathane PE450** is designed to be applied over well-prepared substrates directly without a primer. If the application will take place over highly absorbent/highly porous substrates or smooth fair-face concrete, the substrate should be primed using **Recoat Primer**.

3.0 Application

- 3.1 Stir the material well manually before application, and replace the lid when not in use.
- 3.2 **Aquathane PE450** can be applied by roller, brush, or airless spray to prepared surfaces. For airless spray application, 5 - 10% dilution is allowed.
- 3.3 Apply the product at a rate of 2.5 m²/litre per coat.
- 3.4 The second coat should be applied after 6 to 8 hours (depending on the ambient conditions) of applying the first coat, using the same rate of application and in a perpendicular direction to the first coat to achieve a total of 800 microns wet film thicknesses (360 – 400 microns dry film thickness).
- 3.5 Ensure that the coating is not damaged during subsequent applications.
- 3.6 For repairs, any damaged sections of the membrane can be easily overcoated to ensure membrane continuity. Before applying the material, the surface must be carefully prepared by scraping it down with an emery cloth to provide a key, it is important to ensure that the surface is dust-free before coat application.

Notes:

- *Application should not commence below 10°C or above 50°C.*
- *Do not apply on running or standing water or when there are chances of rain.*
- *Long exposure to chemicals may result in slight colour change over time, however, this is only visual and will not affect the mechanical properties of the product.*

4.0 Cleaning

- 4.1 All tools should be washed and cleaned immediately after use with clean water. Hardened material could only be removed mechanically.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Aquathane PE450**. 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.