Setseal C Method Statement
(Flexible acrylic cement modified waterproofing coating)

Section A : General Comments

High temperature working

(i) Unmixed materials and the equipment should be stored in a cool place and out of direct sunlight.

(ii) Plan for enough material, tools and labours to avoid any stop while the application process.

(iii) Avoid application through peak temperatures of the day.

Equipment

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

Protective clothing	:	*Good quality gloves, goggles and protective overalls*
Mixing equipment	:	*Heavy duty mixer,* *Mixing paddle and empty bucket (25 litre)*
Application equipment	:	*Short haired roller or soft bristled brush*

Section B : Application

1.0 Surface Preparation

1.1 The surface should be clean, sound, and free from any contamination.

1.2 Remove any traces of curing compound, laitance, mold release agents, organic growth, or any other loose materials. This is best obtained by using a suitable mechanical method such as high-pressure water, sandblasting (grit blasting), or equivalent techniques to effectively strip away any existing old coatings or surface treatments.

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

1.4 Presoak the concrete surface with water before **Setseal C** application until a surface-saturated dry condition is reached.

1.5 Remove the excess water with a sponge before starting the application.

*Note: Solvent-based primers and coatings like **Repcoat primer** and **Setseal A** should be removed mechanically before applying Setseal.*

2.0 Mixing

2.1 Use a slow-speed mixer fitted with a mixing paddle to mix the powder and the liquid polymer.

2.2 Pour the liquid polymer into a suitable clean bucket and start adding the powder to the polymer gradually while continuous mixing is maintained using the mentioned mixer.

2.3 The time of mixing should be between 3 - 5 minutes or until lump-free slurry is obtained.

2.4 Do not mix part of the packs under any condition, as this will change the mixing ratio between the powder and the liquid polymer which will affect the material's performance.

3.0 Application

3.1 Apply the mixed material using a soft brush or spray.

3.2 Apply the first coat onto the concrete surface at a wet film thickness of 1 mm.

3.3 Allow 4 hours for curing at a temperature of 25C° before applying the second coat on a ventilation surface. For limited ventilation or at low temperatures, allow 24 - 48 hours before applying the second coat.

3.4 Under proper ventilation conditions, the second coat can be applied after 4 hours, following a similar application method as the first layer at a wet film thickness of 1 mm and in a direction perpendicular to the first coat.

3.5 To achieve a smooth finish, it is recommended to finish the surface with a plastic or steel trowel **immediately** after applying the second coat.

3.6 Allow 4 - 7 days depending on ventilation and ambient temperature after applying the second coat for full curing before water immersion.

4.0 Cleaning

4.1 Use clean water to clean the tools within the pot life of the material.

Section C : Approval and variations

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