Setseal FLX Extra Method Statement

(Elastomeric acrylic cement modified two-component waterproof coating for roofs)

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 or spray machine*

Section B : Application

1.0 Surface Preparation

1.1 The surfaces to be coated should be clean, sound, and free from any contamination. Remove any traces of curing compound, mold/formwork release agents, laitance, organic growth or any other loose materials which could affect the bond.

1.2 Suitable mechanical method such as water jet or sand blasting or any equivalent method should be used to remove any existing old coating or surface treatments like curing compound etc.

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 prior to **Setseal FLX Extra** application until a surface saturated dry condition is reached.

1.5 Remove the excess water by sponge prior starting the application.

Notes:

- *Solvent based primers and coatings like **Repcoat primer** and **Setseal A** should be removed mechanically before applying **Setseal FLX Extra**.*
- *For Fair-face concrete, it is recommended to clean and prepare the surface by performing slight mechanical roughening, or applying water jetting to enhance the adhesion of **Setseal FLX Extra** and prevent peeling.*

2.0 Mixing

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

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

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

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

3.0 Application

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

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

3.3 Allow 3 hours for curing at a temperature of 30°C before applying the second coat in well-ventilated surfaces. For limited ventilation or at low temperatures, allow 24 - 48 hours before applying the second coat.

3.4 Apply the second coat at wet film thickness of 1 mm. For brush application, apply the second coat in a direction perpendicular to the first coat.

3.5 To achieve smooth finish, it is recommended to finish the surface with a plastic or steel trowel **immediately** after brushing 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 FLX Extra**. 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.