Strongcoat Epoxy F Method Statement
(Solvent free high build epoxy floor coating)

Section A : General Comments

High temperature working

The following measures should be adopted if the ambient temperatures exceeding 35°C:

(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 stoppage during 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	:	*Gloves, goggles, face mask and protective overalls*
Mixing equipment	:	*Slow speed mixing drill, mixing bucket (25 litre) and mixing paddle*
Application equipment	:	*Lambs wool roller and painting brush*

Section B : Application

1.0 Surface Preparation

1.1 Moisture content of new concrete, or any cementations substrates should be less than 4% or relative humidity less than 80%. Normally this range of moisture content can be achieved by concrete age over 28 days.

1.2 The substrate should be dry, clean and free from any laitance, wax, grease, dirt and oil or any materials could affect the bond.

1.3 Suitable Mechanical method such grinding, light sand/grit blasting, acid etching or any equivalent method should be used to remove any existing old coating or surface treatments like the curing compound, oil, etc.

Note: If the surface is contaminated by oil or grease, it is recommended to consult our technical department to advice for the 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.

1.5 All blow holes and minor imperfection should be repaired with epoxy paste using Quickmast 341.

2.0 Mixing

2.1 Stir the individual components of the coloured base and hardener.

2.2 Add the entire contents of the hardener container to the base container and mix thoroughly using a slow speed drill mixer fitted with helix type paddle for 3 minutes until a uniform colour is achieved.

2.3 Make sure that the bottom and sides of the hardener part are thoroughly scraped. Partial mixing is not allowed.

3.0 Application

3.1 Priming: Strongcoat Epoxy F is designed to be used without primer, if the substrate is highly porous apply epoxy primer coat using Strongcoat Primer S.

3.2 Each independent area of application should have sufficient materials, equipments and labours.

3.3 The mixed materials should be used within 100 minutes @ 25°C and 45 minutes @35°C.

3.4 Use brush, lambs wool roller or airless spray to apply the mixed Strongcoat Epoxy F onto the prepared surfaces.

3.5 Apply first coat of Strongcoat Epoxy F at 0.24 – 0.32 kg/m^2 per coat to achieve 150 - 200 microns thickness and allow to dry.

3.6 Within the re-coatable time mentioned in the TDS, if high thickness is required, apply second coat of Strongcoat Epoxy F at 0.24 – 0.32 kg/m^2 per coat; it should be applied at a right angle to the first coat. This will achieve a total thickness of 300 – 400 microns.

3.7 Adequate ventilation must be provided to ensure that necessary drying and curing of the material is achieved.

3.8 Allow 7 days after applying the final coat for full curing before vehicle traffic or chemical spillage.

4.0 Cleaning

4.1 Tools and equipment can be cleaned with DCP solvent when it is wet, dried Strongcoat Epoxy F may be removed mechanically.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Strongcoat Epoxy F**. 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.