Strongcoat EPU100 Method Statement
(High performance flexible epoxy polyurethane resin protective coating)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

(i) Unmixed materials and equipment should be stored in 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:

Personal protection	:	*Protective overalls* *Thick gloves, goggles and face mask*
Preparation equipment	: : :	*Slow speed mixing drill* *Mixing bucket* *Mixing paddle*
Application equipment	:	*Airless spray machine, roller or painting brush*

Section B : Application

1.0 Surface Preparation

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

1.2 Concrete surfaces should be prepared and cleaned using grit blasting or water jet.

1.3 Small irregularities and blow holes in the concrete substrates should be repaired and filled using the epoxy past, Quickmast 341.

1.4 Steel substrates should be prepared by grit blasting it until a bright finish is achieved, meeting the requirements of the Swedish standard SA 2 ½.

*Note: Do not leave prepared metal surfaces for more than 12 hours. All metal surfaces should be coated **immediately** after preparation.*

2.0 Mixing

2.1 Stir the content of each component individually before mixing them.

2.2 Add the content of the harder to the base and mix them using a slow speed mixer fitted with a suitable paddle for 3 - 5 minutes until a uniform colour and a homogenous mixture is achieved.

Note: Do not mix part of the packs under any condition, as this will change the mixing ratios which will affect the products final performance.

3.0 Application

3.1 The mixed material should be used within 1.5 hour at 25°C.

3.2 Use a brush, roller or an airless spray machine to apply the mixed Strongcoat EPU100 onto the prepared substrate.

3.3 Apply the first coat of Strongcoat EPU100 at a rate of 0.29 kg/m^2.

3.4 Leave the first coat to cure for at least 4 hours @ 25°C.

3.5 Apply the second coat of Strongcoat EPU100 within 8 hours at 25°C from the application of the first coat. The application rate of the second coat should be 0.29 kg/m^2 to achieve a total dry film thickness of 400 microns.

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

3.7 Allow 7 days at 25°C after applying the final coat for full curing.

Notes:

- *Strongcoat* EPU100 *should not be applied if the application temperature is expected to drop below 5°C.*
- *Protect the applied coat for the first 24 hours from any contact with water.*

4.0 Cleaning

4.1 Tools and equipment can be cleaned with DCP solvent when it is still wet. Dried Strongcoat EPU100 can be removed mechanically.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Strongcoat EPU100**. 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.