Strongcoat Topping T Method Statement
(Heavy duty epoxy topping for floor surfaces)

Section A : General Comments

Equipment

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

Protective clothing	:	*Protective overalls*
	:	*Good quality gloves, goggles and face mask*
Mixing equipment	:	*Jiffy-type mixer fitted to slow speed electric drill, Casco or creteangle-type mixer*
Application equipment	:	*Straight-edged steel trowel*

Section B : Application

1.0 Surface Preparation

1.1 Concrete relative humidity should be 80% or less. Normally this range can be achieved by concrete age over 28 days. For low W/C ratio concrete floors, 80% hygrometer reading or less can be achieved before 28 days of age.

1.2 The substrate should be dry, clean, dense and free from oil, grease, dust or any other contaminants.

1.3 Suitable Mechanical method should be used to remove any unsound layers and contaminated concrete surfaces.

Note: If the surface is contaminated by oil or grease, it is recommended to treat such areas with hot compressed air.

2.0 Priming

2.1 Clean the substrate from any traces of dust or any loose materials.

2.2 Use a slow speed drill fitted with a mixing paddle to mix the two components of **Strongcoat Primer** (Base and Hardener).

2.3 Stir the individual components thoroughly before mixing them together.

2.4 Pour the liquid Hardener into the Base and start mixing using the mentioned mixer.

2.5 Use a lambs wool roller to apply the mixed **Strongcoat Primer** onto the prepared surfaces.

2.6 While the primer is still wet, dress the surface with 0.5 kg/m^2 of **Antislip Aggregate #3** and allow drying.

2.7 The second coat of **Strongcoat Primer** should be applied to ensure a strong bond between the primer coat and the top coat.

3.0 Mixing

3.1 Prior to mixing, stir the individual components of **Strongcoat Topping T**, taking care to ensure that the bottom and sides are thoroughly scraped.

3.2 Transfer the entire contents of the colour pack "If required" into the base container and mix till a uniform colour is achieved.

3.3 Add the contents of the **Strongcoat Topping T** Hardener into the base container, using a Jiff y-type mixer attached to a slow-running electrical drill, and mix for approximately 2 minutes. Once mixed, transfer the entire contents into a Casco or Creteangle-type mixer, taking care to ensure that the bottom and sides are thoroughly scraped.

3.4 Start the mixer and transfer to it the entire contents of the **Strongcoat Topping T** Filler container, taking care to ensure that these are completely dry and lump-free.

3.5 Continue mixing for approximately 2 minutes.

Notes:

- *Never mix **Strongcoat Topping T** by hand as this could lead to areas of uncured material.*

4.0 Application

4.1 Each independent area of application should have sufficient materials, equipment and labours.

4.2 The mixed material must be used within 50 – 70 minutes @ 25°C.

4.3 Use a straight-edged steel trowel to apply the mixed **Strongcoat Topping T** onto the uncured primed surfaces.

4.4 Use **Quickmast Solvent** to clean the trowel and this will also aid in producing a tightly closed surface.

Notes:

- *When applying **Strongcoat Topping T**, leave approximately 200 mm of the closest working edge untrowelled as this will help the blending in of the next application.*
- *Avoid excessive trowelling as this can lead to marks resembling burns on the surface.*
- *Allow 1 day after applying before foot traffic and 3 days before vehicle traffic.*
- *If the substrate temperature is less than 10°C or ambient relative humidity exceeds 80%, don't apply the material.*
- ***Strongcoat Topping T** should not be used on surfaces where rising damp is valid.*

5.0 Cleaning

5.1 Tools and equipment can be cleaned with **DCP-Solvent**.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Strongcoat Topping T**. 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.