Griptop LDS Method Statement
(Self leveling polyurethane floor topping)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 30°C, the following guidelines are adopted as good working practice:

(i) Store unmixed materials and the equipment in a cool (preferably temperature controlled) environment, avoiding exposure to 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	:	*Protective overalls*
	:	*Good quality gloves, goggles and face mask*
Mixing equipment	:	*Slow speed mixer, mixing bucket (25 litre) and large mixing paddle*
Application equipment	:	*Pin leveler, spike roller and Lamb wool roller*

Section B : Application

1.0 Surface Preparation

1.1 Moisture content of new concrete, or any cementations substrates should be less than 5% or relative humidity should be 75% or less. Normally this range of moisture content can be achieved for 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 or chemical method like the Acid etching (only in well ventilated areas) should be used to remove any existing laitance, 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 by epoxy paste using Quickmast 341.

2.0 Priming

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

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

2.3 Stir the individual components thoroughly before mixing them together.

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

2.5 The mixed materials should be used within 1 hour @ 20°C and 40 minutes @35°C.

2.6 Use lambs wool roller to apply the mixed Griptop Primer onto the prepared surfaces.

2.7 The primer should be covered by Griptop LDS within 24 hours, If the over lying time is exceeded; the primer must be abraded with sand paper prior to the application of Griptop LDS**.**

3.0 Mixing

3.1 Use slow speed mixer fitted with large mixing paddle to mix the three liquid components of Griptop LDS (Base, Hardener and colour pot).

3.2 Stir the individual components thoroughly before mixing them together.

3.3 Add the entire contents of the hardener container to the base and mix thoroughly for 3 minutes.

3.4 Pour the liquid in suitable drum and start adding the powder to the liquid gradually while continuous mixing is maintained using the mentioned mixer.

3.5 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.

4.0 Application

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

4.2 Once mixing is completed, transfer the Griptop LDS to the primed surface; using the pin leveler, spread the materials at the required thickness.

4.3 Care should be taken when joining the lanes, to achieve smooth connection.

4.4 While the Griptop LDS still wet, thoroughly roll the surface by using spike roller to release any entrapped air and to get smooth finish.

4.5 Allow 4 days after applying the final coat for full curing before vehicle traffic and 7 days if there is chemical spillage.

5.0 Cleaning

5.1 Tools and equipment can be cleaned with **DCP-Solvent** when it is wet, dried Griptop LDS may be removed mechanically.

Section C : Approval and variations

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