

Griptop LD Method Statement (Flow applied polyurethane floor topping)

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 mixture attached to slow electric drill
	:	Casco or Creteangletype mixer
Application equipment	:	Straight-edges steel trowel, spike 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.
- 1.6 2 mm deep x 3 mm wide rebate should be cut around the edges of the floor, 150 mm from the walls and running parallel to them in order to ensure good bond to the substrate.

Note: For treatment of surfaces containing expansion joints, it is recommended to consult our technical department for advice.

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 Strongcoat 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 Strongcoat Primer onto the prepared surfaces.
- 2.7 The primer should be covered by Griptop LD within 24 hours, If the over laying time is exceeded; the primer must be abraded with sand paper prior to the application of Griptop LD.

Notes:

- For highly porous or textured surfaces, more than one coat of primer may be required.
- For surfaces with relative humidity between 75 and 85%, prime with one coat of Strongcoat DPM and allow drying prior the application of Strongcoat Primer.
- For surfaces with relative humidity 86% and higher, prime with two coats of Strongcoat DPM and allow drying prior the application of Strongcoat Primer.

3.0 Mixing

- 3.1 Add the entire contents of the Griptop LD hardener container to the resin container using jiffy-type mixer fitted with slow electric drill and mix for 2 minutes.
- 3.2 Add the mixed material of Griptop LD (hardener and resin) into a Casco or Creteangletype mixer and start the mixer. Then add the entire contents of the dry and lump free Griptop LD Filler to the mixed material and mix for 2 minutes.
- 3.3 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.

Notes:

- Never mix Griptop LD by hand as this could lead to areas of uncured material.
- Griptop LD has a working time of approximately 20 minutes @ 25°C.
- Never leave the mixed Griptop LD kit to stand for any length of time prior to application as this will considerably shorten its working time.

4.0 Application

- 4.1 Each independent area of application should have sufficient materials, equipment and labours.
- 4.2 Transfer the mixed Griptop LD to the primed surface using a straight-edged steel trowel, spread evenly.
- 4.3 While the Griptop LD still wet, thoroughly roll the surface by using spike roller to release any entrapped air and to get smooth finish.
- 4.4 Allow 24 hours after applying before vehicle traffic and 7 days before exposing to chemical contamination.



expertise



quality



full range

5.0 Cleaning

5.1 Tools and equipment can be cleaned with Quickmast Solvent.

Section C : Approval and variations

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