

## Gripdeck PU100 System Method Statement (Flexible polyurethane vehicle decking system)

### 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	:	Squeegee or medium pile 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 If the substrate has a relative humidity reading greater than 75%, Strongcoat DPM should be used, followed by Gripdeck Primecoat E
- 1.3 The substrate should be dry, clean and free from any laitance, wax, grease, dirt and oil or any materials could affect the bond.
- 1.4 Suitable Mechanical method such grinding, light sand/grit blasting 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.*



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1.5 All cracks and spalled concrete should be repaired before starting the application as recommended by our technical department.

1.6 All blow holes and minor imperfection should be repaired by epoxy paste using Quickmast 341.

*Note: Do not apply if the ambient or floor temperature is to fall below 5°C during the first 24 hours or if rain or condensation is likely.*

## 2.0 Priming

### 2.1 Gripdeck Primecoat E

- 2.1.1 Clean the substrate from any traces of dust or any loose materials.
- 2.1.2 Stir the individual components thoroughly before mixing them together.
- 2.1.3 Add the entire contents of the Gripdeck Primecoat E hardener portion to the resin container and mix thoroughly for 2 minutes using power whisk fitted with slow speed electric drill.
- 2.1.4 Scrape down and re-mix for a further 1 minute, avoiding the entraining of excessive air until a uniform consistency is obtained.
- 2.1.5 The mixed materials should be used within 2 hours @ 25°C.
- 2.1.6 Use Squeegee or medium pile roller to apply the mixed Gripdeck Primecoat E onto the primed floor.
- 2.1.7 For areas where an anti-slip finish is required, while Gripdeck Primecoat E still wet, seed till fully blinded with Antislip Aggregates #2 at the rate of 3 - 4 kg/m<sup>2</sup> and allow drying.
- 2.1.8 All excess aggregates shall be removed before applying the final top coats.

*Note: Gripdeck Primecoat E may be overcoated as soon as it becomes tack free. If the over coating exceeds 30 hours, Gripdeck scarification should be allowed prior the application of the top coat.*

### 2.2 Gripdeck P

- 2.2.1 Transfer the entire contents of both components (base and hardener) into a separate mixing container. Take care to ensure that bottom and sides are thoroughly scrapped.
- 2.2.2 Using a power whisk attached to a slow speed drill mix for approximately 3 minutes. Ensure the mixing head is pushed around the sides and bottom of the mixing container.
- 2.2.3 Use Medium pile roller to apply the mixed Gripdeck P to the blinded or un-blinded Gripdeck Primecoat E.
- 2.2.4 If an additional coat of Gripdeck P is required, it should be applied after that the first coat has become tack-free and within the over coating time of 24 hours.
- 2.2.5 Allow 4 days after applying the final coat for full curing before vehicle traffic and 7 days if there is chemical spillage.



*Notes:*

- *Never mix Gripdeck P by hand as this could lead to areas of uncured materials. Select an appropriate mixing container that will allow proper and efficient mixing.*
- *Do not mix part of packs under any condition, as this will change the mixing ratio between both components.*

### 3.0 Cleaning

- 3.1 Tools and equipment can be cleaned with DCP solvent when it is wet, dried materials may be removed mechanically.

## Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Gripdeck PU100 System**. 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.



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