

## Quickmast 342 Method Statement

(Solvent-free high strength adhesive for structural reinforcement)

### Section A : General Comments

#### Equipment

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

<i>Protective clothing</i>	:	<i>Protective overalls</i>
	:	<i>Good quality gloves, goggles and face mask</i>
<i>Mixing equipment</i>	:	<i>Mechanical drill mixer with mixing paddle</i>
	:	<i>Mixing container</i>
<i>Application equipment</i>	:	<i>Stainless steel spatula</i>
	:	<i>Small roller</i>

### Section B : Application

#### 1.0 Surface Preparation

- 1.1 All substrates shall be free from oil, grease or any contaminants. It is recommended to blast clean substrates and clean all debris or dust.
- 1.2 The substrate should be even and checked with a flat metal edge, the tolerance accepted shall not exceed 10 mm in a 2 m length.

#### 2.0 Mixing

- 2.1 To ensure proper mixing, a mechanically powered mixer or drill fitted with a suitable paddle should be used.
- 2.2 Stir the base and the hardener individually to disperse any settlement.
- 2.3 The entire contents of the base and hardener should be poured into a suitable size container and mixed mechanically for 3 minutes.

#### 3.0 Application

- 3.1 All pinholes, honeycombs, or surface irregularities on the concrete surface shall be treated and evened out using Quickmast 342
- 3.2 Use Quickmast 342 to bond the carbon plates by placing it on the Profiber carbon plate after cleaning from the grinded side.
- 3.3 Use a spatula for the placement and make sure that sufficient material is placed on the carbon plate.



expertise



quality



full range



- 3.4 Apply a thin layer of Quickmast 342 on the prepared substrate, and then apply the fibre plate with the Quickmast 342 onto the substrate. Typical thickness of application of Quickmast 342 is between 0.5 - 3.0 mm.
- 3.5 Use a small roller to roll the plate till the excessive adhesive is pushed out from the sides of the plate and remove the excess with a spatula.

*Note: When Profiber CP Plates are intersecting, the bottom plate should be allowed to cure, and then the surface in crossing zone should be thoroughly cleaned prior to the application of the top layer.*

#### 4.0 Cleaning

- 4.1 Quickmast 342 and equipment can be cleaned with an industrial grade solvent.

### Section B : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Quickmast 342**. 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.