

## Cemflow TS350 Method Statement (Trowel applied cementitious screed)

### 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>Gloves, goggles, face mask and protective overalls</i>
<i>Mixing equipment</i>	:	<i>drum or free fall mixer</i>
<i>Application equipment</i>	:	<i>Trowel, wooden float and steel trowel</i>

### Section B : Application

#### 1.0 Substrate Preparation

- 1.1 Concrete substrates should be fully cured and achieve a minimum compressive strength of 25 N/mm<sup>2</sup> and a minimum pull-off strength of 1.5 N/mm<sup>2</sup>. The concrete substrate should be below 75% RH and have less than 4% moisture content.
- 1.2 Alternatively, Strongcoat DPM should be applied according to the priming section.

#### 2.0 Surface Preparation

- 2.1 Concrete surfaces must be degreased using degreasing products, torching or any other suitable method which assures the surface is free from any oil traces. Surfaces should be sound and with no irregularities as they can affect the finish of the applied product.
- 2.2 Concrete surfaces are to be mechanically prepared to remove laitance and achieve a flat surface, grit blasting or surface profiling equipment are preferred. Acid etching can be used after consulting with DCP's Technical Department.
- 2.3 Surface defects such as voids and blowholes should be repaired before application. Consult DCP's Technical Department for the best repair material.
- 2.4 Surfaces must be free of any dust or loose particles before product application. Use suitable methods like vacuuming or sweeping. If possible, apply the product on a small test area before actual application to check for any problems with the surface preparation.

#### 3.0 Priming

- 3.1 It is not usually necessary to prime absorbent surfaces. However, to ensure satisfactory bonding, the prepared surface should be dampened down to minimize pin holing. Ensure that the surface is in a saturated surface dry condition i.e. no visible surface water prior to application of Cemflow TS350.
- 3.2 For surfaces with RH between 75% and 85%, without the need to dampen the surface, prime with one coat of Strongcoat DPM and allow to dry prior to application of Strongcoat Primer.



expertise



quality



full range



- 3.3 For surfaces with RH greater than 86%, without the need to dampen the surface, prime with two coats of Strongcoat DPM and allow the second coat to dry prior to the application of Strongcoat Primer.
- 3.4 After Strongcoat DPM has been applied and left to cure, apply Strongcoat Primer and whilst it is still tacky fully blind with Antislip Aggregate #2 at approximately 3 kg per m<sup>2</sup>, until the surface is covered and no resin spots remain.
- 3.5 Allow to dry fully overnight and remove excess aggregate before applying Cemflow TS350.

#### 4.0 Mixing

- 4.1 Use drum or free fall mixer to mix 50 kg of powder to 5.0 – 5.50 litre of fresh clean water or 2.50 - 2.75 litre for 25 kg powder for 3 - 5 minutes prior to spreading.

#### 5.0 Application

- 5.1 Spread the mixed material by trowel.
- 5.2 Tamp well in place with wooden float at a thickness of 12 mm - 50 mm in single application.

*Note: Greater thickness can be achieved by application of multiple layers.*

- 5.3 Cemflow TS350 shall be finished with steel trowel to achieve the required smoothness and to fully close the surfaces.

#### 6.0 Curing

- 6.1 It is recommended that freshly hardened surfaces are cured with damp hessian or to be covered with polyethylene sheets, especially in harsh climatic conditions like direct sunlight, the flow of wind, elevated temperatures, etc.

#### 7.0 Cleaning

- 7.1 Tools and equipment can be cleaned with water.

### Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Cemflow TS350**. 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.