

## Strongcoat PSE Method Statement (Chemical resistant epoxy polysulphide flexible coating)

### 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) Unmixed materials and equipment should be stored in cool place and away from direct sunlight.
- (ii) Plan for enough material, tools and labours to avoid any stoppage during the application process.
- (iii) Avoid application through peak temperatures of the day.
- (iv) Ensure proper and adequate ventilation.

#### Equipment

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

<i>Personal protection</i>	:	<i>Protective overalls Thick gloves, goggles and face mask</i>
<i>Preparation equipment</i>	:	<i>Slow speed mixing drill Mixing bucket Mixing paddle</i>
<i>Application equipment</i>	:	<i>Airless spray machine, roller or painting brush</i>

### Section B : Application

#### 1.0 Surface Preparation

- 1.1 The substrate should be sound, dry, clean and free from any laitance, wax grease, dirt, oil or any material which could affect the bond.
- 1.2 Concrete surfaces should be prepared and cleaned using abrasive blasting (sand blasting, grit blasting, etc.) or high-pressure water jetting (35 to 275 MPa at 8 to 190 L/min, using multi-jet systems rotating at a speed of 1000 - 3000 rpm).
- 1.3 Small irregularities and blow holes in the concrete substrates having a thickness of up to 5 mm should be repaired and filled using the epoxy past, **Quickmast 341**.
- 1.4 Steel substrates should be prepared by abrasive blasting (sand blasting, grit blasting, etc.) until a bright finish is achieved, meeting the requirements of the Swedish standard SA 2 ½.



## 2.0 Mixing

- 2.1 Stir the content of each component individually before mixing them.
- 2.2 Add the content of the harder to the base and mix them using a mechanically powered mixer or drill fitted with a suitable paddle for 3 minutes until a uniform colour and a homogenous mixture is achieved.

*Note: Do not mix part of the packs under any condition, as this will change the mixing ratios which will affect the products final performance.*

## 3.0 Application

- 3.1 The mixed material should be used within 110 minutes at 25°C.
- 3.2 Use a brush, roller or an airless spray machine to apply the mixed **Strongcoat PSE** onto the prepared substrate.
- 3.3 Apply the first coat of **Strongcoat PSE** at a rate of 0.375 kg/m<sup>2</sup>.
- 3.4 Apply the second coat of **Strongcoat PSE** within 24 hours at 25°C from the application of the first coat. The application rate of the second coat should be 0.375 kg/m<sup>2</sup> to achieve a total dry film thickness of 500 microns.
- 3.5 Adequate ventilation must be provided to ensure that necessary curing of the material is achieved.
- 3.6 Allow 7 days at 25°C after applying the final coat for full curing.

*Notes:*

- **Strongcoat PSE** should not be applied if the application temperature is expected to drop below 5°C or if the relative humidity will exceed 90%.
- **Strongcoat PSE** should not be applied over existing coatings. However, it can be applied on top of itself, by maintaining the mentioned over coating time.
- Application should not be carried out when there is standing or running water.
- **Strongcoat PSE** is not colour stable when exposed to direct sunlight nor when in contact with some chemicals. However, this colour change does not affect the performance of the coating.
- Precaution is recommended if the application is taking place at high temperatures (above 30°C).

#### 4.0 Cleaning

- 4.1 Tools and equipment can be cleaned with **DCP-Solvent** when it is still wet. Dried **Strongcoat PSE** can be removed mechanically.

### Section C : Approval and variations

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