

Repcoat PX Method Statement

(High performance polyurethane based protective coating)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 40°C, the following guidelines are adopted as good working practice:

- (i) Store materials in a cool environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arrange shade protection if necessary. It is important to keep the equipment which will come in direct contact with the material, cool.
- (iii) Avoid application during the peak temperature of the day, arrange temporary shading as necessary.
- (iv) Ensure the availability of sufficient material and labour to maintain a continuous process.

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>Mixing bucket</i>
	:	<i>Mixing stick, drill fitted with suitable paddle</i>
<i>Application equipment</i>	:	<i>Brush, roller or airless spray</i>

Section B : Application

1.0 Surface Preparation

- 1.1 The concrete or cement based substrates have to be fully cured, sound, dry, clean and free from dust or other contaminations.
- 1.2 Surface laitance should be removed by light scraping, grit blasting or any other suitable means.
- 1.3 All holes and deep cracks should be repaired and filled using Quickmast 341.
- 1.4 All traces of oil, grease, chemical contaminants and extraneous matter should be removed.
- 1.5 Any traces of mould or algae must be removed and the area to be treated with a suitable fungicide or bleach solution.
- 1.6 A steel surfaces should be grit blasted achieving a finish which meets the requirements of SA 2½.

2.0 Priming

- 2.1 Steel and concrete surfaces should be primed using Repcoat PX Primer.
- 2.2 Repcoat PX Primer is supplied in three packages. The entire content of the colour pack should be added to the base and mixed for 2 minutes. Add the hardener to the mixture and mix thoroughly for 3 minutes.
- 2.3 Apply evenly using a brush or textured roller at a rate of 0.12 - 0.16 litre/m² and leave to dry.
- 2.4 Leave to cure for 6 hours at 25°C or 4 hours at 35°C.

Note: Do not exceed 24 hours at 25°C or 16 hours at 35°C between the two coats.

3.0 Mixing

- 3.1 Stir the content of each component of Repcoat PX separately to disperse any settlement.
- 3.2 Add the entire content of the hardener to the base and mix the two components for 3 minutes using a mechanically powered mixer or a drill fitted with suitable paddle, until a uniform colour and homogenous mixture is achieved.

4.0 Application

- 4.1 Apply Repcoat PX evenly using a roller, brush or airless spray at a rate of 0.10 - 0.20 litre/m² per coat to achieve 50 - 100 microns dry film thickness.
- 4.2 If advised, a second coat can be applied after minimum of 6 hours at 35°C or 8 hours at 23°C from the application of the first coat. Do not exceed 24 hours between the two coats.
- 4.3 Repcoat PX will initially cure and can withstand pedestrian light traffic after 8 hours from the application of the final coat.

5.0 Cleaning

- 5.1 All tools and equipment can be cleaned **immediately** after application with DCP solvent.

6.0 Storage

- 6.1 Store at a temperature between 10°C and 25°C in original unopened bags in a controlled dry, cool and shaded area protected from frost, moisture, high temperatures and direct sunlight.

7.0 Fire

- 7.1 Repcoat PX, Repcoat PX Primer and DCP Solvent are flammable.



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8.0 Fire

- 8.1 Repcoat PX, Repcoat PX Primer and DCP Solvent should not be swallowed or come in contact with skin and eyes.
- 8.2 Suitable protective gloves and goggles should be worn.
- 8.3 In case of accidental skin contact occurs, rinse thoroughly with clean water and soap, and do not use Solvent.
- 8.4 In case of accidental splashes to the eyes, rinse thoroughly with clean water for 10 minutes and seek medical advice.
- 8.5 In case of swallowing seek medical attention **immediately** and do not induce vomiting.

Section C : Approval and variations

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