Renderoc® ST 06

**Cementitious surface repair, low cover rectification mortar for concrete**

1. Where designated on the drawings, rectification to concrete will be made using a polymer modified, protective cementitious mortar conforming to EN1504-3 Class R3 (for resistance to carbonation and compressive strength) and being suitable for application from 0.5mm to 5mm thick.

**1.10 Preparation**

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae.

 Prepare the surfaces by abrasive grit blasting or light scabbling.

 Remove oil and grease with suitable detergent.

**1.11 Substrate Priming**

 The prepared substrate should be thoroughly soaked with clean water and any excess removed prior to applying the repair mortar.

 Very porous substrates may require priming; contact the repair mortar manufacturer for further details.

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**1.20 Surface Repair Mortar**

 The surface repair mortar shall be a two component mix of cement-based blend of powders and acrylic

 polymer which can be applied between 0.5mm and 5mm and meeting the requirements of EN 1504-3 Class R3 for resistance to carbonation and compressive strength.

The repair mortar is to be non-hazardous in accordance with Australian Inventory of Industrial Chemicals containing <0.1% RCS (Respirable Crystalline Silica).

 The surface repair mortar shall exhibit the following typical properties:

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| **Compressive strength (EN 12190:1999):** | >30 MPa @ 28 days |
| **Bond strength by pull off (EN 1542:1999):** | >3.5 MPa  |
| **Resistance to carbonation Dk (EN 13295:2005):** | Dk≤ ref concrete MC(0.45); Pass |
| **Chloride Diffusion (Nordtest NT Build 443):** | 0.6 x 10-12m²/sec |
| **Chloride ion content (EN 1015-17:2000):** | 0.01% |
| **Shrinkage and Expansion (EN12617-4:2002):** | Shrinkage 3.5 MPaExpansion 3.2 MPa |

1.21 The mortar shall be applied hand trowel, scraper or filling knife in accordance with the manufacturer’s product data sheet.

**1.30** **Fosroc Renderoc ST 06** meets the performance criteria and is approved.