

**Emer-Clad Facade Matt / Emerclad SB Primer on Painted Concrete AU\_SV16816  
( Off Form, Tilt Up, Pre Cast ) [Exterior/Coastal]**

Description	
<p>The Emer-Clad Facade system comprises a single component water based, high solids, acrylic copolymer membrane coating. Emer-Clad Facade is a highly flexible coating containing additives to inhibit the growth of mould, resist bacterial growth and aggressive elements ie: resistant to UV light, chloride ion and carbonation attack. Emer-Clad Facade dries to form an aesthetically pleasing waterproof protective coating on vertical surfaces.</p>	

**Substrate And Substrate Preparation**

<b>Substrate Notes:</b>	<p>CONCRETE ( Off Form, Tilt Up, Pre Cast )</p> <p>SUBSTRATE DESCRIPTION</p> <p>OFF FORM CONCRETE</p> <p>Off form Concrete is produced by placing suitable forms and shoring to hold the wet concrete into the required shape. Reinforcements are placed within or on the formwork to give concrete its strength. Once the formwork and shoring are removed the result is the off form concrete.</p> <p>TILT UP</p> <p>Tilt Up concrete is derived simply from the method of construction, wall panels are cast on a horizontal surface that then require lifting, and tilting vertically into their final position. Construction is commenced with the laying of the structures foundation and floor slab, wall panels are then cast on the floor one on top of each other in a stack arrangement.</p> <p>PRE CAST</p> <p>Pre Cast concrete are concrete panels that are cast on horizontal vibrating beds that are then cured in racks that are delivered to site that then require lifting, and positioned into their final position.</p>
<b>Substrate Preparation Notes:</b>	<p>PCO018 - OFF FORM, TILT UP, PRE CAST</p> <p>PAINTED CONCRETE PREPAINT SURFACE PREPARATION</p> <p>ASSESS SUITABILITY</p> <p>Inspect to determine the degree of deterioration of existing coatings. Check coating adhesion using the cross hatch test. As per AS1580.408.4-1993 : Paints and related materials - Methods of test -Adhesion (cross-cut). Remove coating system if it fails cross hatch adhesion test.</p> <p>CLEAN SURFACE</p> <p>Clean to remove all dirt, dust, efflorescence, laitence, powdery surfaces and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. 1500 to 2500 PSI water blast is usually sufficient, but pressure must be adjusted to clean surface without damaging the underlying substrate. Treat mould or moss with a propriety mould treatment in strict accordance with supplier instructions.</p> <p>REPAIR SURFACE IMPERFECTIONS</p> <p>Remove all unsound and poorly adhering paint by sanding, power sanding, scraping, wire brushing or grit blast or as appropriate to leave a clean and bare surface. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major faults in the concrete (such as spalling) that may eventually lead to structural failure must be corrected prior to repainting. Refer to a structural engineer and contact Emer for advice regarding concrete rehabilitation. Cracks, defects and flaws should be filled with a suitable patching compound or repair mortar such as Emer-Patch Repair. Prime over any patched sections.</p> <p>EXPANSION AND CONTROL JOINTS</p> <p>Structural control or expansion joints should be filled with flexible paintable joint sealant such as Emer-Seal Paintable FC joint sealant. In all applications where Emer-Clad Facade is applied over movement joints or at floor to wall junctions, Emer-Clad Facade must be reinforced with a suitable fabric such as Emer-Clad Fabric Reinforcing Tape or Emer-Proof Joint Sealing Tape (refer to TDS).</p> <p>CHECK MOISTURE</p> <p>Ensure concrete moisture content is less than 5% as measured with a moisture meter designed for testing in situ concrete to AS1884-2012 and ASTM F2170.</p> <p>SANDING</p> <p>Sand off any remaining paint to a uniformly flat, even finish to remove gloss and provide a good key for the new coating system to adhere to.</p> <p>NOTE: THE FOLLOWING TESTS MUST BE CONDUCTED:</p> <ol style="list-style-type: none"> <li>Existing coatings must be sound and firmly adherent to the substrate - cross hatch adhesion testing must be carried out and unsound coatings removed prior to applying this coating system.</li> <li>The existing painted surface can be solvent sensitive! The nominated prepcoat should therefore be applied to a "test area" prior to work commencing to ensure that the new products will not adversely affect the old coatings. If 'frying or wrinkling' occurs then an alternative system will need to be employed.</li> <li>Dulux will not be held responsible for any failures if these tests are not carried out.</li> <li>The above information is given in good faith; however, Dulux cannot be held responsible for any coating adhesion failure due to longer-term compatibility issues between substrate and original coating system, nor between the original and the new coating systems.</li> </ol>

Coating System Summary	
<b>Primer:</b>	AU_DV02494: Emer-Clad Primer SB Primer
<b>1st Coat:</b>	AU_DV02489: Emer-Clad Facade Matt
<b>2nd Coat:</b>	AU_DV02489: Emer-Clad Facade Matt
Please refer to the coating system details below	

Coating System			
<b>Coat Type:</b>	<b>Primer</b>	<b>Datasheet:</b>	<b>AU_DV02494 Emer-Clad Primer SB Primer</b>
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
	<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>
	<b>Recoat Time **</b>	7	10
		2 hours	<b>Recommended</b>
<b>Coating Application Details:</b>	Emer-Clad Primer SB may be applied by brush, roller or spray. The sealer will be touch dry in approximately 30 minutes and may be overcoated with Emer-Clad Facade after 2 hours drying under normal conditions. This can be assessed at the time of application and is influenced by ambient temperature and type of surface treated. When applied over aged, weathered paints, some lifting of the existing material may occur. These areas are to be scraped off and another coat of Emer-Clad Primer SB applied. When applied over old paints or Emer-Clad Facade, Emer-Clad Primer SB should be allowed to dry overnight before applying Emer-Clad Facade.		
<b>Coat Type:</b>	<b>1st Coat</b>	<b>Datasheet:</b>	<b>AU_DV02489 Emer-Clad Facade Matt</b>
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
	<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>
	<b>Wet Film Per Coat (microns)</b>	4	
	<b>Dry Film Per Coat (microns)</b>	250	
	<b>Recoat Time **</b>	125	
		2 hours	<b>Recommended</b>
			4
			250
			125
			2 hours
<b>Coating Application Details:</b>	Apply Emer-Clad Facade by brush, roller or airless spray to the previously primed surface. Previously primed and prepared surface: Apply 2 coats of Emer-Clad Facade protective coating at 4 m <sup>2</sup> per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns. To visually facilitate coverage and ensure adequate film build, different colours may be used for each coat of Emer-Clad Facade.		
<b>Coat Type:</b>	<b>2nd Coat</b>	<b>Datasheet:</b>	<b>AU_DV02489 Emer-Clad Facade Matt</b>
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
	<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>
	<b>Wet Film Per Coat (microns)</b>	4	
	<b>Dry Film Per Coat (microns)</b>	250	
	<b>Recoat Time **</b>	125	
		2 hours	<b>Recommended</b>
			4
			250
			125
			2 hours
<b>Coating Application Details:</b>	Apply Emer-Clad Facade by brush, roller or airless spray to the previously primed surface. Previously primed and prepared surface: Apply 2 coats of Emer-Clad Facade protective coating at 4 m <sup>2</sup> per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns. To visually facilitate coverage and ensure adequate film build, different colours may be used for each coat of Emer-Clad Facade.		
<b>Coating System Notes:</b>	<ul style="list-style-type: none"> <li>* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.</li> <li>** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.</li> <li>* Do not apply at temperatures below 10°C, or when temperature may fall below 10°C during the drying period.</li> <li>* Do not apply any materials during damp or rainy conditions or where there is likelihood of rain.</li> <li>Temperatures above 30°C reduce the wet edge time and, as with other water based coatings, may increase the risk of showing lapmarks and rollermarks after drying, especially with darker colours.</li> <li>* Not designed for permanently immersed applications.</li> <li>* Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures.</li> <li>* The system should only be used where there are appropriate falls and drainage.</li> <li>* The membrane should be protected from rain during the first 48 hours.</li> </ul>		

#### Comments

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