

**Emer-Clad Facade Matt / Emerclad SB Primer on Painted Brick/Blockwork [Exterior]**

**AU\_SV16437**

Description
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.

Substrate And Substrate Preparation	
<b>Substrate Notes:</b>	<p><b>BRICK</b> Bricks are predominantly kiln-fired clay, which can be glazed or unglazed. The glazing on glazed bricks should be ground or scabbled to improve adhesion of the coating system. Brickwork is often raked, so rendering requires much more material than face-laid brickwork. The surface must be clean &amp; sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears &amp; all other contaminants. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. If applying a texture coating, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed.</p> <p><b>BLOCKWORK</b> Blockwork is largely cement based and highly porous, and usually flush-laid. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. The degree to which texture coatings camouflage flush walls depends on how flush the substrate has been constructed.</p>
<b>Substrate Preparation Notes:</b>	<p><b>ASSESS SUITABILITY</b> Inspect to determine the degree of deterioration of existing coatings. Check coating adhesion using the cross-hatch test.as per AS 1580.408.4-1993 : Paints and related materials - Methods of test - Adhesion (cross-cut)</p> <p><b>CLEAN SURFACE</b> Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. 1500 - 2500 PSI water blast Treat mould with a suitable mould treatment after the substrate has been pressure washed, leave for 24 hours prior to coating. Efflorescence should be wire brushed clean.</p> <p><b>REPAIR SURFACE IMPERFECTIONS</b> Fill any cracks or surface imperfections with a suitable filler or patching compound.</p> <p><b>SANDING</b> Sand the entire cleaned substrate to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to.</p> <p><b>MOVEMENT JOINTS</b> All expansion and movement joints should be sealed with Emer-Seal Paintable FC joint sealant. Polyurethane sealants should be avoided as they can bleed plasticisers into the coating above. 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. The Emer-Clad Fabric Reinforcing Tape must extend at least 50 mm either side of the joint.</p> <p><b>CHECK MOISTURE</b> 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>

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_DV02490: Emer-Clad Facade Satin
Please refer to the coating system details below	

Coating System			
<b>Coat Type:</b>	Primer	<b>Datasheet:</b>	AU_DV02494 Emer-Clad Primer SB Primer
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Recoat Time **</b>	7	10	
	2 hours		
<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>	1st Coat	<b>Datasheet:</b>	AU_DV02489 Emer-Clad Facade Matt
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Wet Film Per Coat (microns)</b>	4		4
<b>Dry Film Per Coat (microns)</b>	250		250
<b>Recoat Time **</b>	125		125
	2 hours		2 hours
<b>Coating Application Details:</b>	Apply Emer-Clad Facade by brush, roller or airless spray to the previously primed surface at 4 m <sup>2</sup> per litre per coat (250 microns wet film thickness) to achieve a dry film thickness of not less than 125 microns per coat. 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>	2nd Coat	<b>Datasheet:</b>	AU_DV02490 Emer-Clad Facade Satin
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
<b>Theoretical Spread Rate *</b>	<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Wet Film Per Coat (microns)</b>	4		4
<b>Dry Film Per Coat (microns)</b>	250		250
<b>Recoat Time **</b>	125		125
	2 hours		
<b>Coating Application Details:</b>	Apply Emer-Clad Facade by brush, roller or airless spray to the previously coated surface at 4 m <sup>2</sup> per litre per coat (250 microns wet film thickness) to achieve a dry film thickness of not less than 125 microns per coat. EmerClad Facade Satin exhibits better self cleaning properties. Emer-Clad Facade Matt can be used in place of Satin as the final coat.		
<b>Additional Coating Details:</b>	A third coat maybe required if imperfections are present in the membrane.		
<b>Coating System Notes:</b>	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions. * Do not apply at temperatures below 10°C, or when temperature may fall below 10°C during the drying period. * Do not apply any materials during damp or rainy conditions or where there is likelihood of rain. 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. * Not designed for permanently immersed applications. * Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures. * The membrane should be protected from rain during the first 48 hours.		

#### Comments

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