

Emer-Clad Facade Matt / Emer-Clad SB Primer on Painted Cement Render [Exterior/Coastal] AU_SV16709

Proposed Purpose Of Use	
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 and may be applied by brush, roller or airless spray.	




Substrate And Substrate Preparation







Substrate Notes:	<p>CEMENT RENDER / PRE MIXED RENDER CEMENT RENDER Cement Render is a substrate produced by mixing sand and cement that is applied to a surface, usually block-work and brick. Subsequently finished by screeding, floating or sponging to give an even finish.</p> <p>PREMIXED RENDERS Premixed renders are stringently formulated based wall renders that are polymer modified. They are supplied in a dry powder form usually 20kg bags which only require the addition of water to produce a mortar paste that exhibits minimal drying shrinkage and good adhesion to clean masonry substrates.</p> <p>NOTE: Both cement render and premixed renders will produce fine cracks during the drying period. These cracks will open and close as weather conditions change. Renders require a minimum 28 days curing at 25°C & 50% relative humidity before coating.</p>
Substrate Preparation Notes:	<p>PCE007 - NEW CEMENT RENDER / PRE MIXED RENDER ASSESS SUITABILITY 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>CLEAN SURFACE 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 an appropriate mould treatment after the substrate has been pressure washed, leave for 24hours prior to coating. Efflorescence should be wire brushed clean.</p> <p>REPAIR SURFACE IMPERFECTIONS Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or grit blast to leave a clean surface as appropriate. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major design faults leading to structural failure of the plaster coating must be corrected prior to repainting. Cracks, defects and flaws should be filled with a suitable patching compound or repair mortar such as Emer-Clad Patch Repair.</p> <p>SANDING 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>CHECK MOISTURE 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>

Expansion & Control Joints

All expansion and movement joints should be sealed with Emer-Seal Joint Sealant Paintable FC. Polyurethane sealants should be avoided as they can bleed plasticisers into the coating above, causing staining and potential dirt pick up.

Coating System

Coat Type:	Primer	Datasheet:	AU_DV02494 Emer-Clad Primer SB Primer
Application Methods:	   Airless Spray Brush Roller		
Theoretical Spread Rate *	Min	Max	Recommended
Recoat Time **	7	10	
	2 hours		
Coating Application Details:	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 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.		

Coat Type:	1st Coat	Datasheet:	AU_DV02489 Emer-Clad Facade Matt	
Application Methods:	   Airless Spray Brush Roller			
		Min	Max	Recommended
Theoretical Spread Rate *		4		4
Wet Film Per Coat (microns)		250		250
Dry Film Per Coat (microns)		125		125
Recoat Time **		2 hours		2 hours
Coating Application Details:	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 m2 per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns. First coat to be Emer-Clad Facade Matt. Final Coat to be Emer-Clad Facade Satin or Matt (Satin exhibits better self-cleaning properties). To visually facilitate coverage and ensure adequate film build, different colours may be used for each coat of Emer-Clad Facade.			
Coat Type:	2nd Coat	Datasheet:	AU_DV02489 Emer-Clad Facade Matt	
Application Methods:	   Airless Spray Brush Roller			
		Min	Max	Recommended
Theoretical Spread Rate *		4		4
Wet Film Per Coat (microns)		250		250
Dry Film Per Coat (microns)		125		125
Recoat Time **		2 hours		2 hours
Coating Application Details:	Apply Emer-Clad Facade by brush, roller or airless spray to the previously coated surface. Apply Emer-Clad Facade protective coating at 4 m2 per litre per coat (250 microns wet film thickness) to achieve a total dry film thickness of not less than 250 microns. First coat to be Emer-Clad Facade Matt. Final Coat to be Emer-Clad Facade Satin or Matt (Satin exhibits better self-cleaning properties).			
Additional Coating Details:	An additional third coat should be applied on horizontal building elements such as sills, ledges and parapet walls where ponding water may occur. A third coat may also be required if imperfections are present in the membrane.			
Coating System Notes:	* 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.			

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