

Emer-Proof Aqua Barrier Landscape / Emer-Proof Elastic Joint Band Tape on Aged Uncoated Substrate Brick/Blockwork [Exterior]

AU_SV16332

Description
Emer-Proof Aqua Barrier Landscape is a high performance water based rubberised bitumen waterproofing membrane with root penetration inhibitor.

Summary
This system is ideal for use with Retaining walls, Planter boxes, Building foundation walls and Below ground tanking structures.

Substrate And Substrate Preparation

Substrate Notes:	<p>BRICK 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 & sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears & 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>BLOCKWORK 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>
Substrate Preparation Notes:	<p>ASSESS SUITABILITY. REMOVE POWDER LAYERS & EFFLORESCENCE Remove any powdery layers, laitance or efflorescence by detergent cleaning, wire brushing, water blasting or a suitable chemical treatment.</p> <p>CLEAN Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal of efflorescence or other poorly bonded surface material. Ensure that the surface is dry, clean and free from dust.</p> <p>REPAIR SURFACE IMPERFECTIONS Fill any cracks larger than 2mm or structural shrinkage cracks with a flexible type sealant such as Emer-Seal Paintable FC and then a 50mm wide polyethylene tape placed over the crack prior to the application of Emer-Proof Aqua Barrier Landscape. Alternatively the cracks can simply be covered with the Emer-Proof Elastic Joint Band Tape system.</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>

Coating System Summary

Primer:	AU_DV02505: Emer-Proof Aqua Barrier Landscape
1st Coat:	AU_DV02505: Emer-Proof Aqua Barrier Landscape
2nd Coat:	AU_DV02505: Emer-Proof Aqua Barrier Landscape
Please refer to the coating system details below	

Coating System			
Coat Type:	Primer	Datasheet:	AU_DV02505 Emer-Proof Aqua Barrier Landscape
Application Methods:	   Airless Spray Brush Roller		
		Min	Max
Theoretical Spread Rate *		5	2.5
Wet Film Per Coat (microns)		840	1100
Dry Film Per Coat (microns)		504	660
Recoat Time **		4 hours	4 hours
Coating Application Details:	Emer-Proof Aqua Barrier Landscape membrane should be lightly stirred before using. Emer-Proof Aqua Barrier Landscape may be applied with a roller (12 mm nap recommended), brush or standard airless sprayer (piston pump unit, 21 - 25 thou tip size) - thoroughly mix product before spraying. Its smooth texture and non-sag formulation makes it suitable for vertical and horizontal application. Dilute Emer-Proof Aqua Barrier Landscape 1:1 by weight with water as a primer on porous substrates. Stir until homogeneous and then apply using a brush or a roller. Always add water to Landscape and do not dilute more than 1:1. For non-porous substrates, such as metals and plastics, Emer-Proof Primer Non-Porous should be used.		
Coat Type:	1st Coat	Datasheet:	AU_DV02505 Emer-Proof Aqua Barrier Landscape
Application Methods:	   Airless Spray Brush Roller		
		Min	Max
Theoretical Spread Rate *		1.3	1
Wet Film Per Coat (microns)		840	1100
Dry Film Per Coat (microns)		504	660
Recoat Time **		4 hours	4 hours
Coating Application Details:	Emer-Proof Aqua Barrier Landscape membrane should be lightly stirred before using. Emer-Proof Aqua Barrier Landscape may be applied with a roller (12 mm nap recommended), brush or standard airless sprayer (piston pump unit, 21 - 25 thou tip size) - thoroughly mix product before spraying. Its smooth texture and non-sag formulation makes it suitable for vertical and horizontal application. The Emer-Proof Elastic Joint Band System should be installed first. Apply the mixed Emer-Proof Aqua Barrier Landscape across the substrate joints extending approximately 70mm either side of the joint. Whilst the Emer-Proof Aqua Barrier Landscape is still in a wet state install the Emer-Proof Joint Sealing Tape / corners and accessories ensuring that all air voids are expelled. Emer-Proof Elastic Joint corners should be placed in first followed by the Emer-Proof Joint Sealing Tape. The Emer-Proof Joint Sealing Tape, corners and pipe detailing squares can be joined via a 50mm overlap, sandwiching a small amount Emer-Proof Aqua Barrier Landscape liquid membrane between the overlapping faces. Each successive coat should be applied at 90 degrees to the previous coat. Emer-Proof Aqua Barrier Landscape is laid onto the surface continually in one direction; it should not be brushed out. Brooms, brushes etc. should be regularly washed during the operation and at any breaks as follows: Keep available a container filled with sufficient strong detergent / water solution to fully cover the broom or brush. Soak the brush in the solution and shake out before use. As work progresses, rinse the brush at frequent intervals to prevent it clogging, and again shake out before resuming. During any breaks in work the brushes should be left to soak in this solution. Recoating Emer-Proof Aqua Barrier Landscape may be recoated 4 hours after previous coat has been allowed to dry. Shorter times may be acceptable in good drying times.		

Coat Type:	2nd Coat	Datasheet:	AU_DV02505 Emer-Proof Aqua Barrier Landscape	
Application Methods:	  	Airless Spray Brush Roller		
		Min	Max	Recommended
Theoretical Spread Rate *		1.3	1	
Wet Film Per Coat (microns)		840	1100	
Dry Film Per Coat (microns)		504	660	
Recoat Time **		4 hours	4 hours	4 hours
Coating Application Details:	<p>Emer-Proof Aqua Barrier Landscape membrane should be lightly stirred before using.</p> <p>Emer-Proof Aqua Barrier Landscape may be applied with a roller (12 mm nap recommended), brush or standard airless sprayer (piston pump unit, 21 - 25 thou tip size) - thoroughly mix product before spraying. Its smooth texture and non-sag formulation makes it suitable for vertical and horizontal application.</p> <p>The second coat should be applied at 90 degrees to the previous coat. Emer-Proof Aqua Barrier Landscape is laid onto the surface continually in one direction; it should not be brushed out.</p> <p>Brooms, brushes etc. should be regularly washed during the operation and at any breaks as follows: Keep available a container filled with sufficient strong detergent / water solution to fully cover the broom or brush. Soak the brush in the solution and shake out before use. As work progresses, rinse the brush at frequent intervals to prevent it clogging, and again shake out before resuming. During any breaks in work the brushes should be left to soak in this solution.</p> <p>Conduct a final inspection on the surface of the membrane prior to commencing back-filling to ensure no pinholes exist. A further coat may be required if imperfections or pinholes are present in the membrane. Backfilling may commence 3 to 4 days after final coat has been applied.</p>			
Additional Coating Details:	Where the membrane is to be back filled, such as with basement and planter box applications, Emer-Proof Aqua Barrier Landscape should be protected from mechanical damage using protection board.			
Coating System Notes:	<p>* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.</p> <p>** Recoat times are quotes for 23°C and 50% relative humidity, these may vary under different conditions.</p>			

Comments
<ul style="list-style-type: none"> Emer-Proof Aqua Barrier Landscape is not recommended for continuous water immersion or as a membrane on internal walls subject to back pressure. Emer-Proof Aqua Barrier Landscape has not been designed as an exposed wearing course membrane. Emer-Proof Aqua Barrier Landscape must be covered and cannot be exposed to UV on a permanent basis. Not designed to be finished directly over with tiles, screeds, renders or paints. Do not apply externally if it is raining or if rain is imminent. Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures. (There are limitations to how hot/cold the surface temperature can be, when applying liquid based membrane or primer). For example: ambient temperatures may be 10°C but the substrate could be 0°C and have frost issues. The same applies with higher temperatures: ambient temperature may be 26°C but have a substrate temperature of 36°C.

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