

**Emer-Proof Aqua Barrier Landscape / Emer-Proof Elastic Joint Band Tape on Aged Uncoated Substrate Concrete ( Off Form, Tilt Up, Pre Cast ) [Exterior]**

**AU\_SV16273**

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	
<b>Substrate Notes:</b>	<p>CONCRETE ( Off Form, Tilt Up, Pre Cast )</p> <p><b>SUBSTRATE DESCRIPTION</b></p> <p><b>OFF FORM CONCRETE</b> 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><b>TILT UP</b> 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><b>PRE CAST</b> 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>Off Form Concrete should be installed as per AS3610 Control of Concrete Surface Formwork (current edition) and AS 3850.2 Tilt Up Concrete &amp; Pre Cast Elements for use in Buildings (current edition)</p> <p><b>REMOVE CONTAMINANTS</b> Remove grease, form oils and release agents. Treat mould or moss with a suitable mould treatment. Remove shiny surfaces by mechanical abrasion.</p> <p><b>CLEAN</b> 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. Ensure that the surface is dry, clean and free from dust. Check for the presence of Release Agents and Bond Breakers by simply splashing water onto the substrate, if water beads on the surface then total removal is mandatory. Where doubt exists always refer to the manufacturer of the Release Agent or Bond Breaker on their recommended practice of removal. The use of proprietary TiltWash is recommended for the removal of Bond Breakers and Release Agents, a water test should be exercised after the use of TiltWash to check for any residual presence of Bond Breakers and Release agents.</p> <p><b>REPAIR SURFACE IMPERFECTIONS</b> Cracks, defects and flaws should be filled with a suitable patching compound or repair mortar such as Emer-Patch Repair. Structural control or expansion joints should be filled with flexible paintable joint sealant such as Emer-Seal Paintable FC. Alternatively the cracks can simply be covered with the Emer-Proof Elastic Joint Band Tape system.</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_DV02505: Emer-Proof Aqua Barrier Landscape
<b>1st Coat:</b>	AU_DV02505: Emer-Proof Aqua Barrier Landscape
<b>2nd Coat:</b>	AU_DV02505: Emer-Proof Aqua Barrier Landscape
Please refer to the coating system details below	

Coating System			
<b>Coat Type:</b>	Primer	<b>Datasheet:</b>	AU_DV02505 Emer-Proof Aqua Barrier Landscape
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		5	0.92
<b>Wet Film Per Coat (microns)</b>		840	1100
<b>Dry Film Per Coat (microns)</b>		504	660
<b>Recoat Time **</b>		4 hours	4 hours
<b>Coating Application Details:</b>	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.		
<b>Coat Type:</b>	1st Coat	<b>Datasheet:</b>	AU_DV02505 Emer-Proof Aqua Barrier Landscape
<b>Application Methods:</b>	   Airless Spray   Brush   Roller		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		1.3	1
<b>Wet Film Per Coat (microns)</b>		800	1040
<b>Dry Film Per Coat (microns)</b>		500	650
<b>Recoat Time **</b>		4 hours	4 hours
<b>Coating Application Details:</b>	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 and corners 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 and corners 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. 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 conditions.		

<b>Coat Type:</b>	2nd Coat	<b>Datasheet:</b>	AU_DV02505 Emer-Proof Aqua Barrier Landscape	
<b>Application Methods:</b>	  	Airless Spray Brush Roller		
		<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Theoretical Spread Rate *</b>		1.3	1	
<b>Wet Film Per Coat (microns)</b>		800	1040	
<b>Dry Film Per Coat (microns)</b>		500	650	
<b>Recoat Time **</b>		4 hours	4 hours	4 hours
<b>Coating Application Details:</b>	<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>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.</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>Allowing a drying time of 4 hours between coats.</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.</p>			
<b>Additional Coating Details:</b>	Where the membrane is to be back filled, such as with basement or foundation wall applications, Emer-Proof Aqua Barrier Landscape should be left to cure for a minimum of 3 days and be protected from mechanical damage using core flute.			
<b>Coating System Notes:</b>	<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>			

<b>Comments</b>
<ul style="list-style-type: none"> <li>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.</li> </ul>

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