

Wet Area Membrane Quick Guide

Title:	Wet Area Membrane Quick Guide
Description:	To show a typical example of how-to membrane wet areas in domestic applications. <i>Waterproof membranes to AS4858 only.</i>
Version:	1.0 – For NCC 2022
Application:	For P10.2 of the NCC and AS3740, this GUIDE only.
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Date:	16.06.2025

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Steps

Step 1: Clean Area

- Thoroughly vacuum the entire substrate to remove dust, debris, and loose particles.

Step 2: Install Waterstops

- At doorways
- At horizontal edges of shower areas
- At vertical edges in shower areas (optional)

Step 3: Install Compatible Floor/Wall Bond Breakers

- Use bond breakers in accordance with the manufacturer's specifications. (could be a bandage or silicone/polyurethane sealant)

Step 4: Seal Penetrations

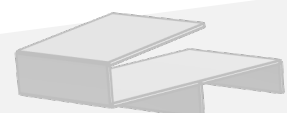
- Seal all floor and wall penetrations

Step 5: Prime Substrate

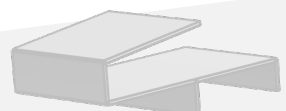
- Apply a compatible primer to all areas to be membraned, including walls.

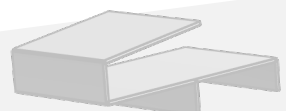
Step 6: Apply Membrane

- Extend membrane up to **1800 mm** in shower areas
- Ensure **25 mm high x 50 mm leg** coverage at all floor/wall junctions
- Apply **150 mm above the bath vessel** and along the floor for the extent of the bath
- Apply membrane to the **manufacturer's specified coats and thickness**
 - *(Refer to common compatible products documentation)*

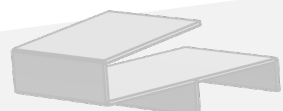


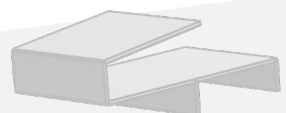
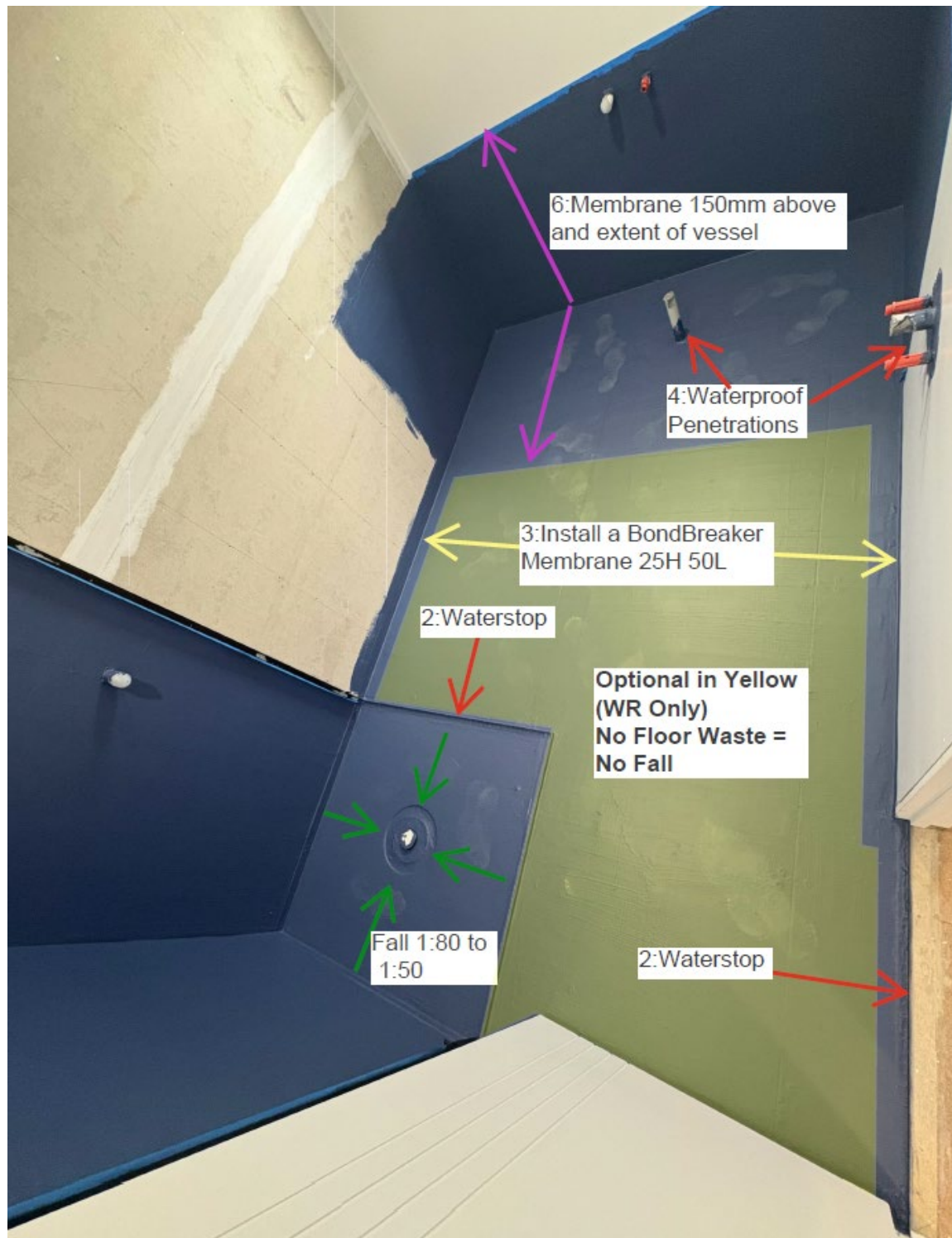
Water Closet (Toilet Room) and Laundry



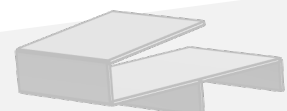
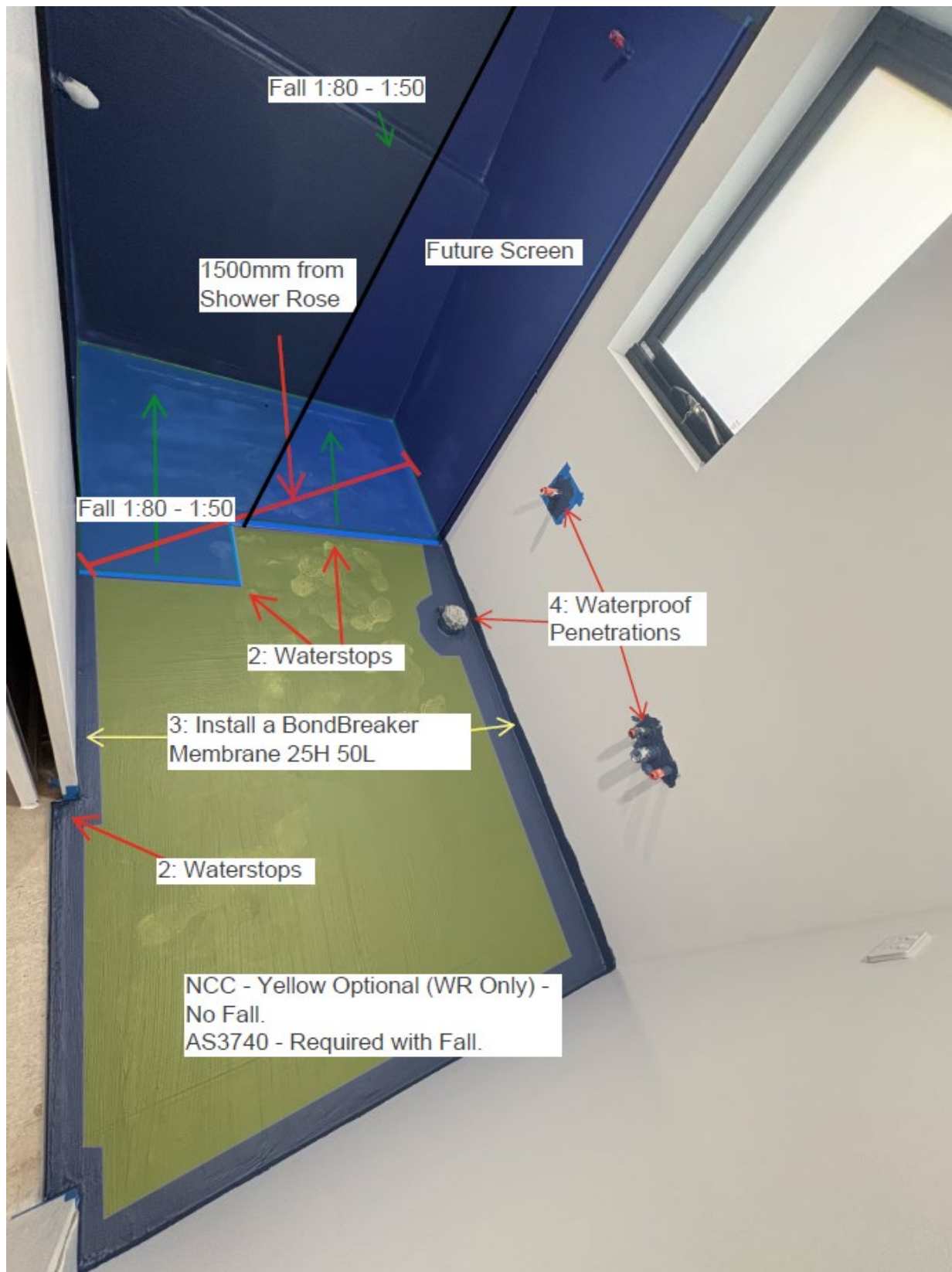


Bathroom with Enclosed Shower and Freestanding Bath

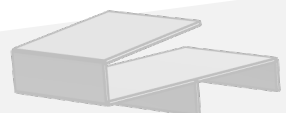




Bathroom with Un-Enclosed Shower and no Bath



Shower with Pre-Formed Shower Base



Common Compatible Products

Product	Primer	Coats Required	DFT Required	Compatible Bond Breaker	Class
Ardex WPM 155 Rapid +	Ardex WPM 300	2	0.5mm	ARDEX STB/STA Tape or Neutral Cure Silicone	3
Aquaflex WPU	Planiseal MR or Primer 3296	2	1.0mm	Mapeband or Mapeflex PU 45 FT	3
Bastion Undertile	Basiton Porous Primer	2	0.9mm	Basiton Bond Breaker Joint Band or Bastion Bond Breaker Joint Sealant	3
Crommelin PRO-500 WP	Crommelin Surface Primer	2	0.5mm	Crommelin Polyurethane Sealant or Reinforcing Fabric with Bond Breaker	3
Davko K10 +	Davko PrimeX	2	1.0mm	Any neutral cure Sika® silicone sealant	3
Dunlop Express	Dunlop Primer & Additive	2	0.5mm	Dunlop Express Wet Area Tape	3
Grants WPM 400	Grants PR 100 Primer	2	1.0mm	Maxisil Membrane	3
Gripset 38FC	Gripset GP	2	1.0mm	Elastoproof B50 Joint Band or; RLA Max SMP 25	3
SikaTile 111	Sika 010	2	1.0mm	Any neutral cure Sika® silicone sealant	3
VersEseal Wp 100	VersEseal Porous Primer	2	1.0mm	Neutral Cure Silicone and VersEseal Geo Textile	3

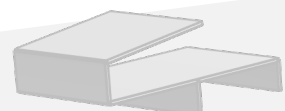
Key

DFT = Dry Film Thickness (Minimum Thickness of Membrane when Dry)



Dry Film Thickness Test

An ultrasonic non-destructive membrane thickness tester will be used during the waterproofing inspection to verify that the required DFT has been achieved in accordance with the manufacturer's specifications. E.g 1.0mm = 1000microns.



Results Attached to Your Inspection Report

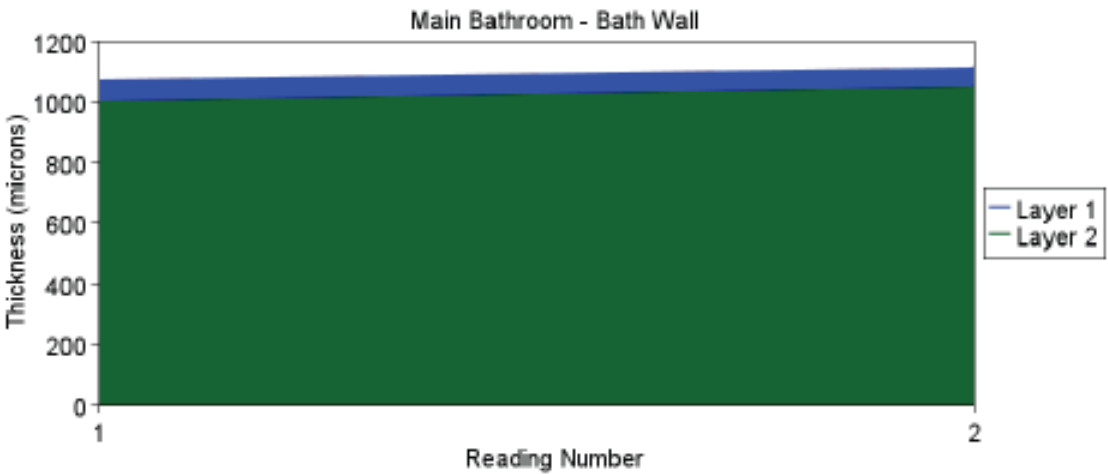
PROJECT

COMPLY

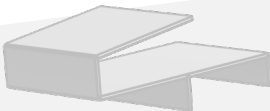
Membrane Thickness Results

Main Bathroom - Bath Wall Summary					
	#	\bar{x}	σ	L	\bar{t}
Layer 1 (microns)	2	68.0	2.8	66	70
Layer 2 (microns)	2	1024.5	33.2	1001	1048

Readings			
#	Layer 1 (microns)	Layer 2 (microns)	Time
			2025-07-02
1	70	1001	13:13:57
2	66	1048	13:14:02



Calibration	
Cal Name:	Cal 2
Adjustment Date:	2025-07-02 12:41:00
Adjustment Method:	User Zero
Created:	2025-07-02 13:13:11
PosiTector Body S/N:	942850
Probe Type:	PosiTector 200-C
Probe S/N:	1154568



Waterproof Certificate

A basic template designed for the builder to complete prior to a waterproof inspection.



INSTALLATION OF WATERPROOFING IN WET AREAS				Section 18
To: <input type="text" value="Project Comply"/>		<small>Building Surveyor</small>		
<input type="text" value="17 Brady Place"/>		<small>Address</small>		
<input type="text" value="Somerset"/>	<input type="text" value="7322"/>	<small>Suburb/postcode</small>		
Details of building work:				
<small>Address:</small>	<input type="text" value="17 Brady Place, SOMERSET"/>	<input type="text" value="7322"/>	<small>Certificate of title No:</small> <input type="text" value="1/89898"/>	
<small>Description of work:</small>	<input type="text" value="New Building"/>		<small>(new building / alteration / addition / repair / re-erection / other)</small>	
<small>Use of building:</small>	<input type="text" value="New Construction of Dwelling - 2 Storey"/>		<small>(main use)</small>	<small>Building class(es):</small> <input type="text" value="1a"/>
Area Waterproofed: <small>Only Tick Applicable Fields</small>				
<input checked="" type="checkbox"/> Main Bathroom <input checked="" type="checkbox"/> Ensuite <input checked="" type="checkbox"/> Water Closet <input checked="" type="checkbox"/> Laundry <input type="checkbox"/> Third Bathroom				
<input type="checkbox"/> Pool Area <input type="checkbox"/> Other <small>Please Specify</small> <input type="text"/>				
Waterproofing System Utilised:				
<small>Primer:</small>	<input type="text" value="Sika 010"/>	<small>Second Primer (if used)</small> <input type="text"/>		
<small>Bond Breaker:</small>	<input type="text" value="Sika Fillet"/>	<small>Second Bond Breaker (if used)</small> <input type="text"/>		
<small>Membrane:</small>	<input type="text" value="Sika 111"/>	<small>Second Membrane (if used)</small> <input type="text"/>		
Waterstop Locations: <small>Only Tick Applicable Fields</small>				
<input checked="" type="checkbox"/> Main Bathroom Door <input checked="" type="checkbox"/> Ensuite Door <input checked="" type="checkbox"/> Water Closet Door <input checked="" type="checkbox"/> Laundry Door				
<input type="checkbox"/> Third Bathroom Door <input type="checkbox"/> Under Shower Screen(s) <input type="checkbox"/> Extremities of Shower Area <small>(unenclosed)</small>				
<input type="checkbox"/> Pool Area <input type="checkbox"/> Other <small>Please Specify</small> <input type="text"/>				
Builder Standard of Work Statement:				
<p>I confirm I am the Licensed Builder responsible for the construction and supervision of the above referenced project. Having supervised and/or carried out the building work, I confirm that:</p> <p>(a) all waterproofing work is complete; and</p> <p>(b) the waterproofing installed complies with the approved plans, specifications and relevant waterproofing standards referenced above:</p>				
Signed Brock Gregg: <input style="width: 150px; height: 30px;" type="text" value="BG"/>		Date <input style="width: 150px; height: 30px;" type="text" value="01.01.10"/>		

