

# Wet Area Membrane Quick Guide

<b>Title:</b>	Wet Area Membrane Quick Guide
<b>Description:</b>	To show a typical example of how-to membrane wet areas in domestic applications. <i>Waterproof membranes to AS4858 only.</i>
<b>Version:</b>	1.1 – For NCC 2022
<b>Application:</b>	For P10.2 of the NCC and AS3740, this <b>GUIDE</b> only.
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<b>Date:</b>	02.10.2025

## Contents

<b>Steps .....</b>	<b>2</b>
<b>Water Closet (Toilet Room) and Laundry .....</b>	<b>3</b>
<b>Bathroom with Enclosed Shower and Freestanding Bath.....</b>	<b>5</b>
<b>Bathroom with Un-Enclosed Shower and no Bath .....</b>	<b>7</b>
<b>Shower with Pre-Formed Shower Base .....</b>	<b>8</b>
<b>Common Compatible Products.....</b>	<b>9</b>
<b>Dry Film Thickness Test.....</b>	<b>10</b>
<b>Results Attached to Your Inspection Report .....</b>	<b>11</b>
<b>Waterproof Certificate .....</b>	<b>12</b>



# 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

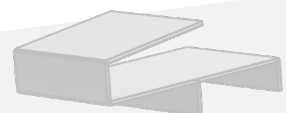
- Seal all floor and wall penetrations

## Step 5: Prime Substrate

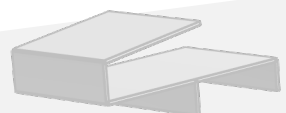
- Apply a compatible primer to all areas to be membraned, including walls.

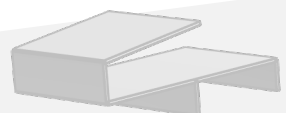
## Step 6: Apply Membrane

- 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)*

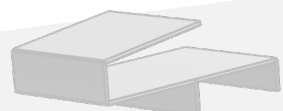


## Water Closet (Toilet Room) and Laundry

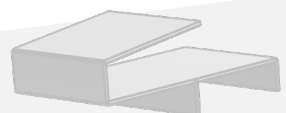
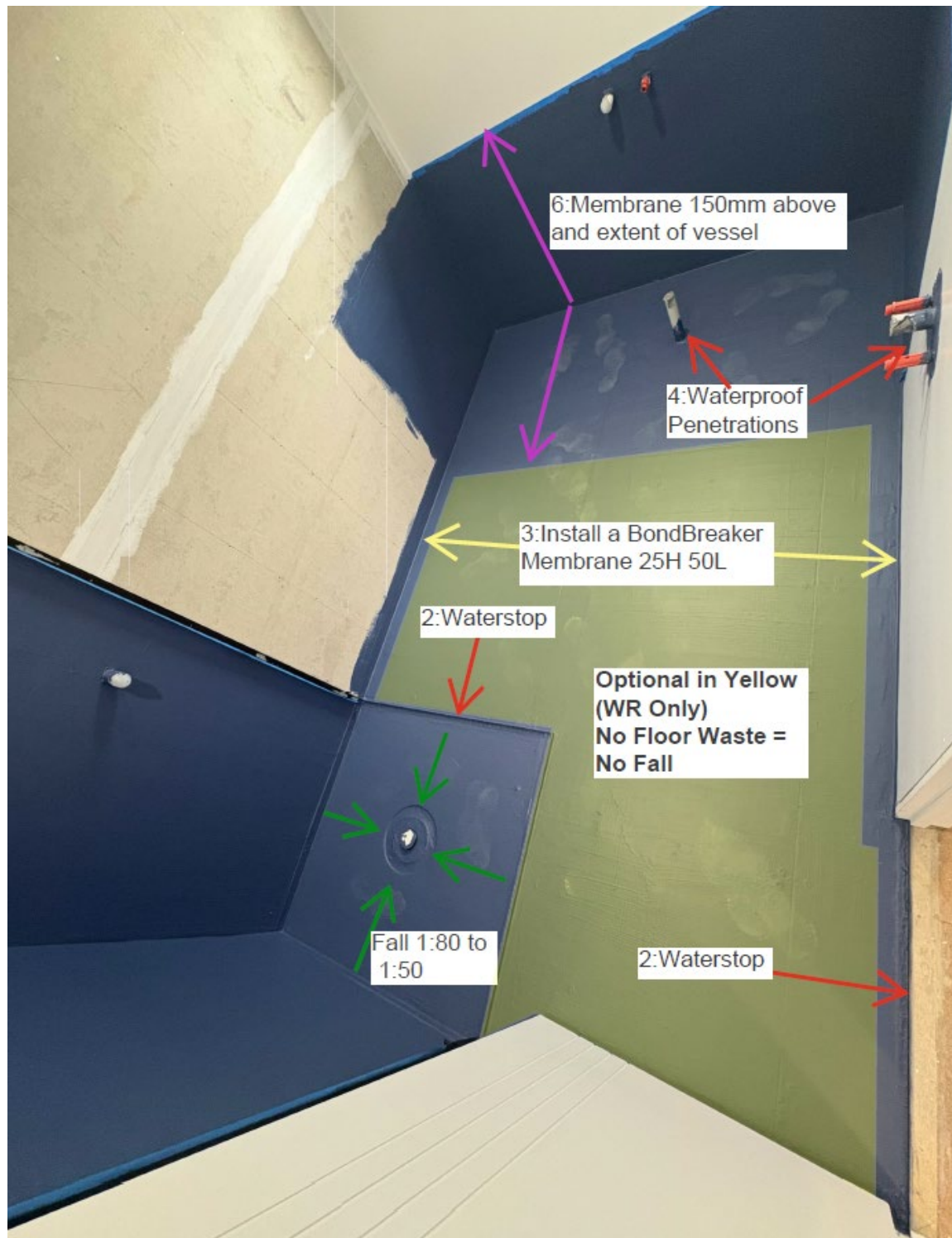




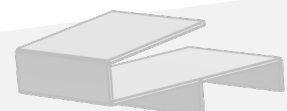
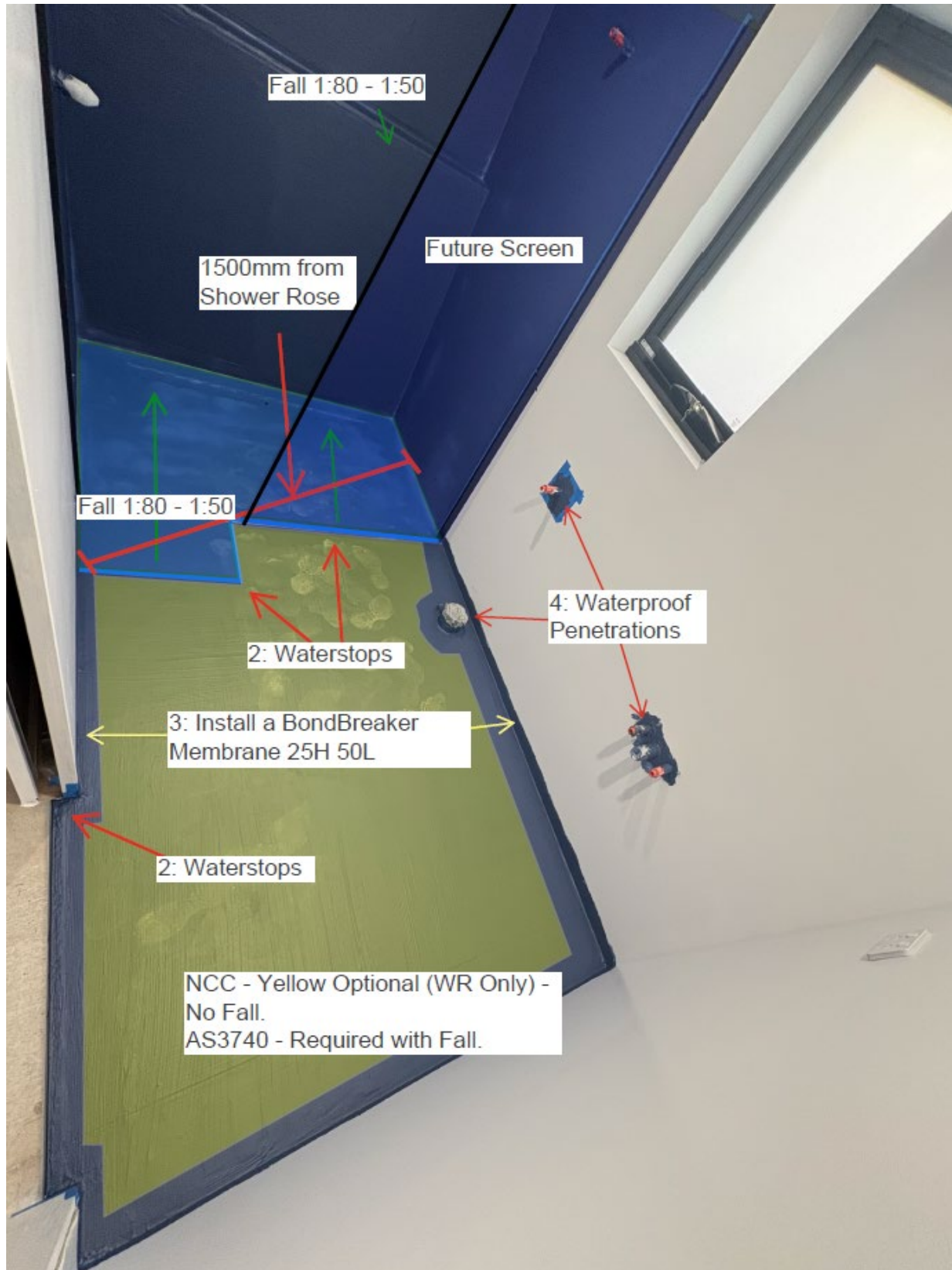
## Bathroom with Enclosed Shower and Freestanding Bath



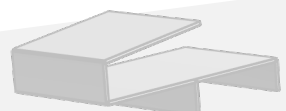




## Bathroom with Un-Enclosed Shower and no Bath



## Shower with Pre-Formed Shower Base



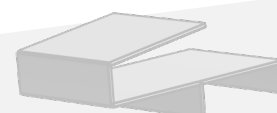


## Common Compatible Products

Product	Primer	Coats Required	DFT Required	Compatible Bond Breaker	Class
<b>Ardex WPM 155 Rapid +</b>	Ardex WPM 300	2	0.5mm	ARDEX STB/STA Tape or Neutral Cure Silicone	3
<b>Aquaflex WPU</b>	Planiseal MR or Primer 3296	2	1.0mm	Mapeband or Mapeflex PU 45 FT	3
<b>Bastion Undertile</b>	Basiton Porous Primer	2	0.9mm	Basiton Bond Breaker Joint Band or Bastion Bond Breaker Joint Sealant	3
<b>Crommelin PRO-500 WP</b>	Crommelin Surface Primer	2	0.5mm	Crommelin Polyurethane Sealant or Reinforcing Fabric with Bond Breaker	3
<b>Davko K10 +</b>	Davko PrimeX	2	1.0mm	Any neutral cure Sika® silicone sealant	3
<b>Dunlop Express</b>	Dunlop Primer & Additive	2	0.5mm	Dunlop Express Wet Area Tape	3
<b>Grants WPM 400</b>	Grants PR 100 Primer	2	1.0mm	Maxisil Membrane	3
<b>Gripset 38FC</b>	Gripset GP	2	1.0mm	Elastoproof B50 Joint Band or; RLA Max SMP 25	3
<b>HYDRO BAN</b>	Primer (LATICRETE)	2	0.6-0.9mm	HYRDO BAN Fillen & Sealant	3
<b>SikaTile 111</b>	Sika 010	2	1.0mm	Any neutral cure Sika® silicone sealant	3
<b>VersEseal Wp 100</b>	VersEseal Porous Primer	2	1.0mm	Neutral Cure Silicone and VersEseal Geo Textile	3

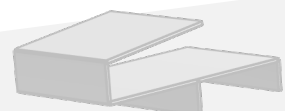
Key

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

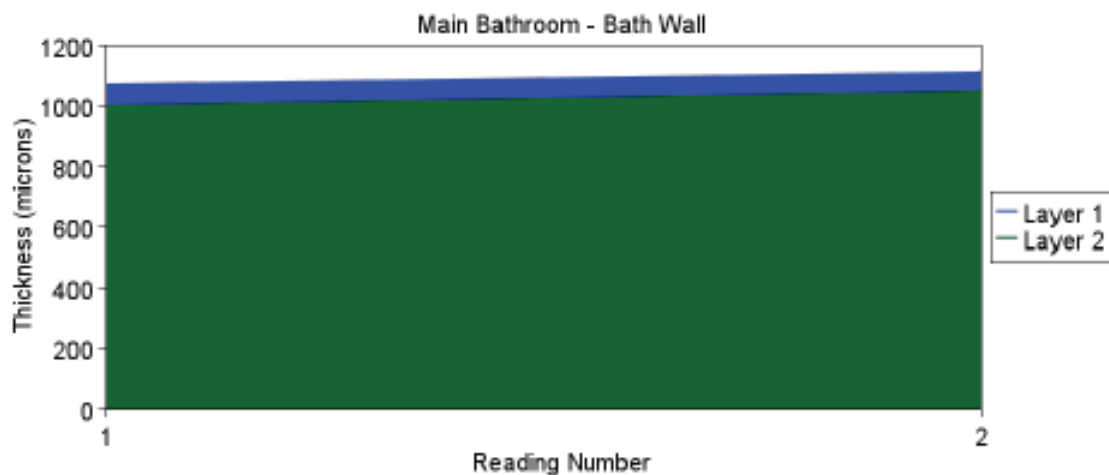
### Membrane Thickness Results

#### Main Bathroom - Bath Wall Summary

	#	$\bar{x}$	$\sigma$	$L$	$\bar{t}$
Layer 1 (microns)	2	68.0	2.8	66	70
Layer 2 (microns)	2	1024.5	33.2	1001	1048

#### Readings

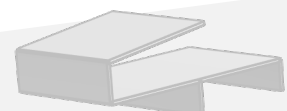
#	Layer 1 (microns)	Layer 2 (microns)	Time
			2025-07-02
1	70	1001	13:13:57
2	66	1048	13:14:02



#### 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.



<b>INSTALLATION OF WATERPROOFING IN WET AREAS</b>				<b>Section 18</b>
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>		
<b>Details of building work:</b>				
<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"/>
<b>Area Waterproofed:</b> <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 <input type="text"/> Please Specify				
<b>Waterproofing System Utilised:</b>				
<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"/>		
<b>Waterstop Locations:</b> <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 (unenclosed) <input type="checkbox"/> Pool Area <input type="checkbox"/> Other <input type="text"/> Please Specify				
<b>Builder Standard of Work Statement:</b>				
<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>				
Brock Gregg:	<div style="border: 1px solid black; width: 100%; height: 40px; display: flex; align-items: center; justify-content: center;"> <i>Signed</i> BG           </div>		<div style="border: 1px solid black; width: 100%; height: 40px; display: flex; align-items: center; justify-content: center;"> <i>Date</i> 01.01.10           </div>	

