



# CERTIFICATE OF TEST

Ref: TSD 780-1

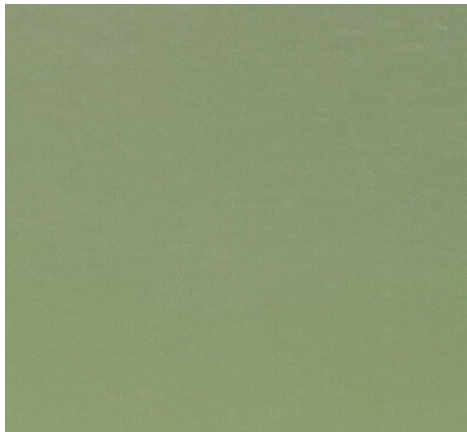
Date of issue: 10/02/16

## EXAMINATION OF A POLYMERIC SHOWER BASE

Samples of a Showerline shower base was received for examination to determine suitable priming, waterproofing and tiling recommendations to be used in a internal wet area **ONLY**.

### Sample description

The samples are not identified by name but are described by appearance.  
A green/grey homogenous cementitious-polymeric material.  
The sample pieces are 400x400mm in size and vary in thickness.



### Test method

Samples were tested to a modified ISO13007 (AS4992) test method. The curing periods were 28 and 32 days dry, and 7 days dry followed by 21 days immersed. The test materials were applied onto the panels as per the product recommendations.

### Adhesives

The following materials were tested as stand-alone products or in combination. The applied membranes and adhesive are considered representation of a wider range of applicable materials.

#### **Primers**

Ardex WPM300

#### **Membranes**

Ardex WPM155  
Ardex WPM 002

#### **Adhesives**

Ardex X18  
Ardex X77  
Ardex X56

### Results

The tensile bond results were considered to be satisfactory, and the predominant failure modes involved cohesive failure of the adhesive or membrane.

Note: The 0.5MPa tensile strength requirement in the standard did not apply in these cases as the substrate was not concrete.

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Substrate	Adhesive failure to Tile back	Primer/Membrane	Cohesive failure of Adhesive	Substrate
	Not preferred modes		Preferred modes	



28 and 32 days dry, and 7 days dry followed by 21 days immersed.  
testing - cohesive failure of the adhesive or membrane.

## Recommendation

Since this Showerline shower bases are intended for internal wet area installations, the following recommendations will be based on the use of a primer / seal coat and a waterproofing membrane as part of the system. This Showerline shower base **MUST** have the complete surface mechanically roughened using 40 grit sandpaper and then vacuumed removing all loose particles. It is then recommended the shower base be wiped down with a damp cloth prior to the application of the primer / seal coat.

**Ardex WPM300** primer / seal coat **MUST** then be applied to these mechanically prepared shower bases before it is waterproofed and tiled. **If Ardex WPM300 is not applied warranty will be fully voided.**

Testing was also performed for direct adhesion of tile adhesives using **Ardex WPM300 + Sand seeded**, however these results are not shown in this report.

All products shall be used in accordance with the product datasheets.

## Substrate Preparation

### **Masonry**

All masonry surfaces shall be clean, sound and free from all contaminating materials e.g. paint, wax, curing compounds and oil. New concrete should be at least 4 weeks old. New screeds should be at least 7 days old. If concrete contains laitance remove laitance by mechanical means, followed by vacuuming to ensure removal of all loose particles.

### **Timber**

All timber sheeted floors must be must be solid, clean and free of dust, plaster droppings, grease, paint, polish and any loosely adhered or water-softenable material. Sanding is then recommended to give the steel a mechanical key followed by vacuuming to ensure removal of all loose particles. Wooden floors if needed must be renailed and firmly fix all loose boards.

### **CFC**

All compressed fibre cement sheeted floors must be must be solid, clean and free of dust, plaster droppings, grease, paint, polish and any loosely adhered or water-softenable material. Sanding is then recommended to give the compressed fibre cement a mechanical key followed by vacuuming to ensure removal of all loose particles.

### **Steel**

All steel sheeted floors must be must be solid, clean and free of dust, plaster droppings, grease, paint, polish and any loosely adhered or water-softenable material. Sanding is then recommended to give the steel a mechanical key followed by vacuuming to ensure removal of all loose particles. It is then recommended that the floor be washed down with acetone to remove any greases the steel received during manufacturing process.

## **Recommended adhesives for adhering the shower base to a timber, CFC, masonry or a steel substrate ONLY**

Ardex RA88

Ardex WA

Ardex WA100

Dunlop Builders bond

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**Recommended primer / seal coat**

Ardex WPM300

**Recommended waterproofing membranes**

Ardex WPM155 (standard system ONLY)

Ardex WPM002

**Membranes shall be used with Ardex Deckweb as per the product recommendations****Recommended tile adhesives**

Ardex Optima

Ardex X18 +/- Ardex E90

Ardex X77 +/- Ardex E90

Ardex S28 Neu +/- Ardex E90

Ardex X56

Ardex Abaflex

Ardex WA100

Ardex WA

**Recommended tile grouts**

Ardex FG8 + Ardex Grout Booster (80% Booster / 20% water)

Ardex FSDD + Ardex Grout Booster (80% Booster / 20% water)

Ardex WA

Ardex EG15

**Recommended sealants**

Ardex SE Silicone

Ardex ST Silicone

**Please refer to packaging and Ardex technical datasheets available on the Ardex Australia website for installation details when using the recommended products.**

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