

Statement of Compliance of External Waterproofing Membranes to meet AS4654.1: 2012



Concrete Protection Pty Ltd have had their waterproofing membranes tested by NATA accredited laboratories (CSIRO – Materials Science & Engineering; ABSAC; plus Allunga Exposure Laboratory). Testing Reports include coverage of AS4858, AS3558, AS1580 referred to under AS4654.1. The waterproofing membranes requirements are specifically nominated under Table 2.1 – Fully Bonded Membranes (Liquid) and Table A4 – Durability of Membranes.

The following is a summary of results.

Requirement	Test/STD	Pass	Comment
Abrasion/ Traffic ability	AS1580.403.2	PASS	Allunga testing over 3 years
Cyclic Movement	AS4858	PASS	NIL- Surface Cracking or Tears, membrane rupture
Elongation at break	AS4858	PASS	Class II membrane . Ave. result 163%
Heat Ageing	AS4858	PASS	Ave 140%, plus field test over 3 years
Temp / UV Resistance	AS4654.2	PASS	Allunga and ABSAC reports, tests over 3 years
Tensile / thickness	AS4858	PASS	Product tested to 1.2mm
Water vapour trans. rate	AS4858	PASS	1.36g/m2/24h
Water immersion	AS3558	PASS	Tested 56 days, break strain 314%
Water absorption	AS3558	PASS	Mass difference 4.7%
Bleach Immersion	AS4858	PASS	Tested 56 days, break strain 305%
Bioresistance	AS4858	PASS	ABSAC, exposure to Fungi - unaffected
Detergent immersion	AS4858	PASS	Tested 56 days, break strain 182%
Bonding test		PASS	ABSAC and Allunga tests
Fire Rating		PASS	ABSAC and Allunga tests
Age Appearance		PASS	ABSAC and Allunga tests, over 3 years = 8 (of 10)
Dirt Collection		PASS	ABSAC and Allunga tests, over 3 years = 9 (of 10)