

C.S.I.R.O ACCELERATED WEAR TEST

REPORT No. SY 4675-1 CAWT

Date	06/04/2009	
Test Performed by	Gerald Fisher	
Tile Description	3000 Series, 200 x 200mm (treated with R10plus) (colour: Osprey)	
Tile Prep	Deionised Water	
Pad Used	Scotch Brite (SB) No. 96	
Test equip.	GARDCO Washability and Wear Tester (Linear) Model no. D12V Friction Boat 1000gms & 1000mm ² Deionised Water	
Comments	<p>The potential wear factor of a tile in situ can be assessed by the CSIRO Accelerated Wear Test (CAWT). The test involves a number of revolutions of a wetted 3M Scotch Brite No.96 pad over the tile surface. The tile is initially tested to AS4856 Appendix A: Wet Pendulum test. One tile is then subjected to 500 revolutions of CAWT and then retested to Appendix A: Wet Pendulum test. Depending on the tile surface the wet pendulum classification may drop to a lower level. This is due to the scrubbing of the tile surface either removing the fine pinnacles on the tile structure or scrubbing the surface smooth. The CAWT is relevant for tiles that may have a high pedestrian traffic flow or vehicular traffic flow.</p>	
Wet Pendulum Result. AS 4586 App A	Mean BPN	Class
	38	X

CAWT Results Table:

Revolutions	Pendulum Swings					Mean BPN (final 3 swings)	Pendulum Class
	1	2	3	4	5		
100	35	34	34	34	34	34	Y
500	34	33	33	33	33	33	Y