



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

### REPORT No. SY 4675-2 CAWT

|   |   |              |
|---|---|--------------|
| <b>Date</b>                                   | 06/04/2009  |              |
| <b>Test Performed by</b>                      | Gerald Fisher   |              |
| <b>Tile Description</b>                       | 2000 Series, 200 x 200mm (treated with R10plus) (colour: Snow)  |              |
| <b>Tile Prep</b>                              | Deionised Water   |              |
| <b>Pad Used</b>                               | Scotch Brite (SB) No. 96  |              |
| <b>Test equip.</b>                            | GARDCO Washability and Wear Tester (Linear) Model no. D12V<br>Friction Boat 1000gms & 1000mm <sup>2</sup><br>Deionised Water  |              |
| <b>Comments</b>                               | <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> |              |
| <b>Wet Pendulum Result.<br/>AS 4586 App A</b> | <b>Mean BPN</b>   | <b>Class</b> |
|   | 39  | X            |

**CAWT Results Table:**

| Revolutions | Pendulum Swings |    |    |    |    | Mean BPN<br>(final 3 swings) | Pendulum Class |
|-------------|-----------------|----|----|----|----|------------------------------|----------------|
|             | 1               | 2  | 3  | 4  | 5  |                              |                |
| <b>100</b>  | 35              | 34 | 34 | 34 | 34 | 34                           | Y              |
| <b>500</b>  | 34              | 34 | 34 | 33 | 33 | 33                           | Y              |