

### Wet Pendulum Slip Ratings AS 4586 Appendix A

AS 4586-2013 is the Australian Standard which provides slip resistance ratings for pedestrian floor tiles.

The wet pendulum slip test outlined in Appendix A of AS 4586 classifies the slip rating of surfaces that are prone to water contamination. The floor surface is tested using a Pendulum Friction Tester, where the individual measurement is the British Pendulum Number (BPN). The slip rating however is based on a minimum of five (5) specimens tested, in which the average of the BPN is used. The average of the five measurements is then described as a Slip Resistance Value (SRV), which is the method of classification for the pendulum slip ratings.

Wet Pendulum Slip Rating	Wet Pendulum SRV Range	
	Slider 55	Slider 96
P0		< 12
P1	< 20	12 → 24
P2	20 → 34	25 → 34
P3	35 → 39	35 → 44
P4	40 → 44	45 → 54
P5	> 44	> 54

### Oil Inclining Platform / Ramp Slip Ratings AS 4586 Appendix D

Oil Ramp Incline Platform Slip Rating	Corrected Ramp Angle
No Classification	Less than 6 degrees
R9	Equal or greater than 6 degrees, but less than 10 degrees
R10	Equal or greater 10 degrees, but less than 19 degrees
R11	Equal or greater than 19 degrees, but less than 27 degrees
R12	Equal or greater than 27 degrees, but less than 35 degrees
R13	Equal or greater than 35 degrees

The oil ramp slip test is performed in a similar way in which the barefoot ramp slip ratings are obtained, but in this test, oil is used instead of water and a specified safety shoe or boot is used. The most common slip rating that is specified is the R10 slip rating.

The test is first conducted by a number of calibration boards walked on to ensure that the person walking on the boards are walking within the normal limits of the test, being a biological control to the slip test. The ratings are then assessed to the table below.