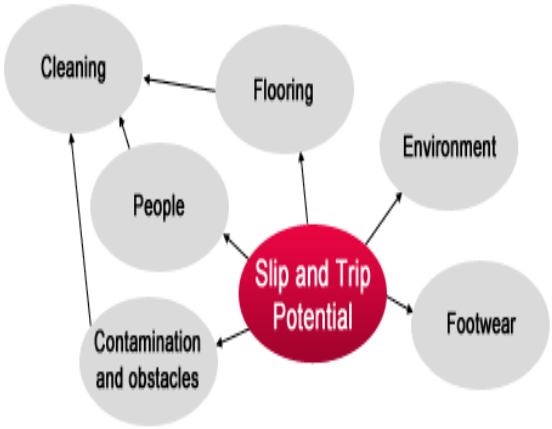

Table 3B SA HB 198:2014 of cited Australian Standards indicates compliance wet slip resistance requirements for a range of surfaces including:

- *Hotels, Offices, Public Buildings, Schools and kindergartens*
- *External ramps and pavements*
- *Supermarkets and Shopping Centres*
- *Loading docks, Commercial Kitchens, Cold Stores, Serving Areas*
- *Swimming Pools and Sporting facilities*
- *Hospitals and Aged Care Facilities*
- *Private Residential Buildings*

Surface Slip Resistance Testing

The surface slip compiance testing is a valuable safety assurance :

- *FREE no charge service for Ecoshield customers (conditions apply)*
- *TAMSA industry subsidised service for:*
  - *Architectsand Specifiers*
  - *Builders*
  - *Insurance companies*
  - *Loss adjusters*
  - *Landlords and tenants of Commercial properties*
  - *General public*
  - *Floor surfacing contractors*

For further information contact:

Ecoshield Pty Ltd
66 O'Sullivans Beach Road, Lonsdale, SA, 5162

- *www.ecoshield.com.au*
- *Email info@ecoshield.com.au*
- *Phone 08 8121 7867*

TAMSA International Consulting
tamsaconsult@optusnet.com.au

ecoshield
PERFORMANCE COATINGS

Surface Slip Resistance Testing

In conjunction with TAMSA International Consulting, Ecoshield offers a specialised Surface Slip compliance testing service.

Compliance to Australian Standards:
AS 4386-2013 Slip Resistance of New Pedestrian Surfaces
AS 4663-2013 Slip Resistance of Used Pedestrian Surfaces

- *Timber floors*
- *Polished concrete*
- *Slip resistant surfaces*
- *Tiles and pavers*
- *Vinyl*

Test methods

The two test methods that are most commonly specified and used are:

***Oiled inclining platform** test as described as an option in AS 4586-2013. This is a laboratory only test and can only apply to new material surfaces intended to be installed in or on a pedestrian walkway.*

***Pendulum test method**. This method can be used for new surfaces as per AS 4586-2013 but also more importantly for existing surfaces in-situ testing. It is well described in AS 4663-2013 above.*

The Pendulum wet and dry testing is the most widely used assessment procedure in Australia.

The importance of AS 4663-2013 Slip resistance measurement of existing pedestrian surfaces, is emphasised in the requirement that after handover, the surfaces cease to be 'new' and subsequent compliance testing would be in accordance with AS 4663-2013.

The Pendulum Test for Slip Resistance

Suitable for both wet and dry as well as new and used surface assessment.
The Pendulum Test simulates moving surface contact with rubber test feet called 'sliders'.
For surfaces of relatively high slip resistance, a softer rubber (slider 55 is the standard) provides a relatively good discrimination where small changes in slip resistance correspond to large changes in the wet pendulum test treading.
For surfaces of a relatively low slip resistance, a harder rubber (slider 96) provides for relatively good discrimination.

The Pendulum test is normally carried out wet surfaces

Because the wet condition is when most slips occur and many floor surfaces permit the ponding of water, either accidentally or intentionally, the standardised test is carried out in wet conditions.

Slip Potential Classification is based on Pendulum Test Values (PTVs). Also termed Skid Resistance Values (SRVs) with Slider 96

Slip Potential	***PTV***
High	*0 – 24*
Moderate	*25 - 35*
Low	*36+*

Wet pendulum ratings AS 4586-2013 and AS 4663-2013

WET Pendulum Slip Rating	***Wet Pendulum PTV / SRV Range***	
	Slider 55 (TRL)	***Slider 96 (4S)***
P0		*Below 12*
P1	*Below 20*	*12 – 24*
P2	*20 – 34*	*25 – 34*
P3	*35 – 39*	*35 – 44*
P4	*40 – 44*	*45 – 54*
P5	*Above 44*	*Above 54*

The P rating classification is the compliance criteria for those new and used pedestrian walkway surfaces as measured with the British Pendulum type test apparatus.