

JB Antislip Plus® Slip Resistance Assessment 2007

JB Antislip Plus® has been independently tested by the **Health and Safety Laboratory (HSL)** using a Stanley Pendulum Test (the operation and calibration of which are described in **BS7976:2002 parts 1 - 3**) operated to the current issue of the **United Kingdom Slip Resistance Group (UKSRG) guidelines (Issue 3, 2005)**.

The standard pendulum testing procedure calls for testing in 3 directions – longitudinal, lateral and diagonal – to highlight any directionality of the surface finish. In addition to the standard procedure, further pendulum testing was carried out in a fourth direction to allow results to more fully characterise the profiled nature of the surface. Testing was carried out;

Direction 1 – Along grain of wood

Direction 2 – Across grain of wood (90° to direction 1)

Direction 3 – Diagonally across grain of wood (approx 45° to direction 1)

Direction 4 – Diagonally across grain of wood (approx 20° to direction 1)

The samples were tested with **Slider 96 Rubber**, also known as **Four-S Rubber** (Standard Simulated Shoe Sole), which was developed to represent a footwear material of moderate performance. Using Slider 96 Rubber, the **Pendulum Test Values (PTVs)** achieved **significantly exceed the minimum required classification for ‘low potential for slip’**. Under the UKSRG guidelines, a surface is required to have a PTV of 36 or above to be considered to have a ‘low potential for slip’.

Interpretation of results:

Pendulum Test Value (PTV)	Slip Potential
0 - 24	High Slip Potential
25 -36	Moderate Slip Potential
36 +	Low Slip Potential

Results using standard grey bauxite grit in grooved (castellated) boards:

JB Antislip Plus®	Average PTV (DRY)	Average PTV (WET)
2 inserts	78	63
3 inserts	81	69

Results using standard grey bauxite grit in smooth boards:

JB Antislip Plus®	Average PTV (DRY)	Average PTV (WET)
2 inserts	77	64
3 inserts	76	68

Results using buff bauxite grit in grooved (castellated) boards:

JB Antislip Plus®	Average PTV (DRY)	Average PTV (WET)
2 inserts	70	63
3 inserts	75	66

Results using buff bauxite grit in smooth boards:

JB Antislip Plus®	Average PTV (DRY)	Average PTV (WET)
2 inserts	78	67
3 inserts	76	68

Results using yellow coated bauxite grit in grooved (castellated) boards:

JB Antislip Plus®	Average PTV (DRY)	Average PTV (WET)
2 inserts	73	67
3 inserts	79	65

For more information see:

**Health & Safety Laboratory
Harpur Hill
Buxton
Derbyshire
SK17 9JN**

www.hse.gov.uk/slips

and, the UK Slip Resistance Group:

www.ukslipresistance.org.uk