

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



0013

Genesis APS International  
Ellerbeck Way  
Stokesley Industrial Park  
Middlesborough  
Cleveland  
TS9 5JZ

FAO: Mr. David Saunders

Report of Tests on: Standard Insert

Your Reference: NIHD50

Lucideon Reference: (141507)-6704

Date Reported: 02-Apr-2014

Order Number: DS413072/A

Date Logged: 27-Mar-2014

Date(s) of Test(s): 01-Apr-2014 to 01-Apr-2014

## Inclined Platform Test for Slip Resistance In Shod Conditions

DIN 51130:2010

No.	Operator 1 - Angle of Inclination	Operator 2 - Angle of Inclination
	°	°
1	23.6	22.3
2	23.5	21.0
3	24.4	22.7

Description of Test Specimen(s): 1m x 0.5m panel

Average of Six Shod Results (Corrected): 22.9 °

Category: R11

The critical angle at which a test person reaches the limit of safe walking on an inclined plane is used as a measure of slip resistance.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Simon Hall  
Author

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**Genesis APS International**  
Ellerbeek Way  
Stokesley Industrial Park  
Middlesborough  
Cleveland  
TS9 5JZ

FAO: Mr. David Saunders

Report of Tests on: Diamond Insert

Your Reference: DIAMOND

Lucideon Reference: (141507)-6705

Date Reported: 02-Apr-2014

Order Number: DS413072/A

Date Logged: 27-Mar-2014

Date(s) of Test(s): 01-Apr-2014 to 01-Apr-2014

## Inclined Platform Test for Slip Resistance In Shod Conditions

DIN 51130:2010

No.	Operator 1 - Angle of Inclination	Operator 2 - Angle of Inclination
	°	°
1	24.2	24.9
2	25.7	23.9
3	25.9	23.7

Description of Test Specimen(s): 1m x 0.5m panel

Average of Six Shod Results (Corrected): 24.7 °

Category: R11

The critical angle at which a test person reaches the limit of safe walking on an inclined plane is used as a measure of slip resistance.

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**End of Test Report**

Mr Simon Hall  
Author

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 Cleveland  
 TS9 5JZ

FAO: Mr. David Saunders

Report of Tests on: Diamond Insert

Your Reference: DIAMOND

Lucideon Reference: (141507)-6705

Date Reported: 02-Apr-2014

Order Number: DS413072/A

Date Logged: 27-Mar-2014

Date(s) of Test(s): 28-Mar-2014 to 28-Mar-2014

## Determination of Slip Resistance

### BS 7976-2: 2002 Pendulum Testers - Method of Operation

	Dry (Horizontal)	Dry (Vertical)	Dry (Diagonal)	Wet (Horizontal)	Wet (Vertical)	Wet (Diagonal)
No.						
1	55	57	57	48	47	46
2	56	57	58	48	46	46
3	56	57	57	47	47	47
4	55	56	56	47	47	46
5	56	56	57	46	46	45
Mean	56	57	57	47	47	46

Result:	Unit	1	2	3	4
Ra Value	µm	4.39	3.86	2.71	3.05
Rz Value	µm	19.8	17.2	12.3	17.2

Description of Test Specimen(s): 2 sheets (tested with slider 96)

Average of 15 Dry Values: 57

Average of 15 Wet Values: 47

Temperature: 17 °C

The energy absorbed by contact with the pre-set distance is read from a physical scale by a pointer that follows the overswing of the pendulum arm. 12 results are averaged to give the final pendulum number which is used to categorise the tile surface. The UK Slip Resistance Group recommends the following guidelines, PTV 0-24 High Slip Potential, PTV 25-35 Moderate Slip Potential, PTV 36+ Low Slip Potential.

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**End of Test Report**

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