

## INTERPRETING PENDULUM TEST RESULTS

### How to interpret your pendulum method wet test report...

1. Compare the test location description from your test report to the Dubai Universal Design Code (Table 2) descriptions below...identify the most appropriate comparable environment to determine performance.
2. Compare the Pendulum Test Value (PTV) result for location reported to the identified recommended PTV...note if the test area's reported outcome meets, exceeds, or is found to be underperforming to the Dubai Universal Design Code

**\* Table 2. Pavement slip resistance**

Pavement Slip Resistance	
Floor Pavement Slopes	
	Pendulum Test Value (PTV)
Dry Areas Indoor	
Level Surface	Between 15 and 35
Inclined surfaces with slopes less than 5%	
Inclined surfaces with 5% slopes or greater	
Wet Areas and Outdoor	
Level Surface	Between 35 and 45
Inclined surfaces with slopes less than 5%	
Inclined surfaces with 5% slopes or greater	
Streets pavement, swimming pools and showers	45 or More

### TREATMENT OPTIONS

For surfaces that achieve a BPN result below the recommendations the following are options are available to increase slip resistance and Reduce Your Risk!

<b>Cleaning procedures</b>	Detergent residues can build up over time with heavy detergent use.
<b>Acid etching</b>	For tiled surfaces. Can vary in performance with different tile types.
<b>Wet sand/ Soda blasting</b>	To obtain a textured finish to tiles and other hard surfaces (may require sealing).
<b>Shot blastine</b>	More extreme treatment to wet sand blasting (may require sealing).
<b>Textured coatings</b>	Ensure a consistent texture is achieved.
<b>Surface replacement</b>	Replacement surface may be the most cost effective option in some locations

*An internet search for 'flooring treatments' will identify surface treatment professionals in your local area. ISTS recommends sourcing a number of detailed proposals when considering treatments, outlining expected slip resistance improvements, visual changes, clean ability and life expectancy.*

### ADDITIONAL NOTES & REFERENCES

#### References

\*Table 2 Pavement Slip Resistance  
Dubai Universal Design Code  
(February 2017)

European Standard EN 13036-4:2011  
Method for measurement of slip/skid resistance of a surface:  
The Pendulum Test

*\*The information provided is intended as a guide only, consult the referenced publications for further information in regards to measurement results and recommendations*