



Technical Guidelines for Slip and Fall Prevention in Hotels (Version 7.0)

Keeping Guest and Occupants safe

1. Objective

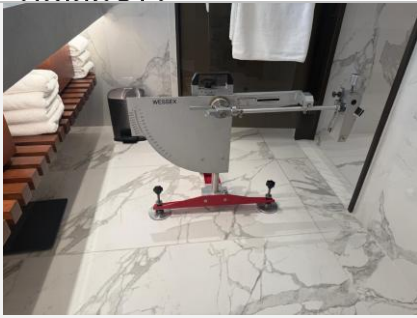
Ensure that all floor surfaces in hotel premises meet minimum slip resistance values as defined in BS EN 16165 using the Pendulum Test Method (PTM) and establish a uniform approach for assessing and mitigating slip risk.

2. Applicable Standards

Standard	Description
BS EN 16165:2021 (British Norm)	Determination of Slip Resistance of pedestrian surface (Pendulum Test)
Dubai Building Code	C.7.2.1.2 Slip Resistance (Pendulum Test)
Dubai Municipality New Hotel Checklist	Dubai Building Code English 2021 Slip Resistance Pendulum Test PTV (1).pdf
	Hospitality sector health and safety compliance 01_02_Circular_223 c
DIN EN 16165: 2023 (European Norm)	Determination of Slip Resistance of pedestrian surface (Barefoot / Shoe Ramp Method)
	"R" Ratings (R9 – R13)
Cross Reference PTV & R Ratings	SWISSGRIP DIN EN 16165 Slip Resistance R12 Certification.pdf
	PTV AND R rating reference chart.png
BS EN 13036-4	Non-pedestrian areas such as roads or airfields (Not Applicable for Hotels)

3. Testing Methodology – Pendulum Test (PTM)

Parameter	Description
PTV – Pendulum Test Value	Wessex Pendulum Tester (TRRL / BS 7976 type)
BS EN 16165 Pendulum test Method PTM.pdf	https://www.swissgrip.me/pendulum-testing.html
	Equipment: Wessex – Brand

		
Slider Material	Slider 55 (barefoot, spa/pools), Slider 96 (shod, corridors/lobbies/kitchens)	
Test Conditions	Dry and wet conditions	
Results	Pendulum Test Value (PTV) – numerical value of slip resistance	

4. Interpretation of Pendulum Test Values (PTV)

PTV Range	Slip Risk Level	Interpretation
0 – 24	High Risk	Unacceptable for hotel use in wet/transitional zones
25 – 35	Moderate Risk	Requires surface treatment or maintenance monitoring
45 or More	Low Risk / Safe Zone	Dubai Building Code minimum requirement for wet areas

5. Risk Zoning in Hotel Environments

Area Type	Example Locations	Risk Category	Recommended PTV (Wet)	Preventive Action / Treatment
High Risk	Guest bathrooms, Bathtubs / Shower Cubical, Shower trays, pool decks, Pool area steps, Changing Room, SPA Floors, Steam Rooms, Kitchens	High	≥ 45	Certified Apply anti-slip treatment. Annual PTM test



9. Conclusion

Compliance with BS EN 16165 and UAE building codes ensures hotels maintain safe, compliant, and guest-friendly environments. Systematic testing, surface treatment, and documentation are key to preventing slips and protecting brand integrity.

Recommended Vendor for : BS EN 16165 Pendulum Testing

: SWISSGriP Anti-Slip Coating Treatment



SWISSGriP Middle East FZE LLC
Ras AL Khaima – UAE



Under Process of Accreditation

“SWISSGriP Proprietary – Do Not Copy or Distribute”

Contact: + 971 505815 707 / info@swissgrip.me

Certifications Request Link : <https://www.swissgrip.me/swiss/certification>

[SWISSGriP MIDDLE EAST LinkedIn](#)

Legal Disclaimer:

“This document contains proprietary technical information prepared by SWISSGRiP Middle East FZE LLC for the exclusive use of Marriott – Director of Engineering / HSE. It may **not** be copied, edited, reproduced, or shared with third parties, including competitors, without prior written permission from SWISSGRiP Middle East FZE LLC. Unauthorized use may result in civil or legal action under UAE intellectual property and trade secret laws.”

Issued by SWISSGriP Middle East | www.swissgripme.com