

# 地板防滑測試

地板的鋪設廣泛應用於我們日常生活中。公共場所地面過滑而造成的滑倒意外，令公眾關注地板的安全性。根據1992年於歐洲頒布的工作場地（衛生、安全與福利）條例，所有地板均須經過檢驗並達到強制性要求，務求消除對公眾帶來的安全威脅。為確保地板符合相關安全標準，防滑性能測試已被廣泛採納，能有效測定地板的防滑程度。

## 需要檢測的地板種類

除了用於鋪設廚房、廁所或浴室的防水地板需要檢測外，其他物料製成的地板，包括石材、混凝土、金屬、聚氯乙烯（PVC）及瓷磚等物料亦需檢測，此等種類的地板通常用於酒店、餐廳、辦公室、學校、商場、行人路及通道等。

還有更多測試服務未能盡錄，歡迎向我們的紡織及物料部職員垂詢。

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## 測試方法

擺錘法和斜坡法是常見的兩種防滑檢測方法，能有效測定地板在乾燥及受污染情況下的抗滑水平。我們依照多項檢測標準，測試並收集兩種方法得來的實驗數值（PTV & R-value），全面評估地板的安全性。以下是常用的測試標準：

- \*BS 7976
- BS EN 1097-8
- BS EN 13036
- BS EN 13893
- DIN 51130
- BS 7044
- BS 7188
- BS 6077
- \*ASTM E303
- AS/NZS 4586
- BS EN 13748
- BS 8204

\* 現場防滑測試

## 滑倒機率

擺錘法測定數值 (PTV)	11-18	18-34	34-51	51-70	>70
DIN 51130 類別	R9	R10	R11	R12	R13
滑倒角度	6-10	10-19	19-27	27-35	>35



# SLIP RESISTANCE TESTS FOR FLOORING

Flooring is essential to our daily lives and activities. Unexpected injuries on slippery floors in public areas have aroused public concerns on the safety of the use of flooring. According to the Workplace Health, Safety and Welfare Regulations in 1992, it is mandated that flooring shall not be slippery and shall not be a hazard to public safety. On account of the importance of safe flooring, skid resistance test is a recommended measure in evaluating the slip resistance of flooring.

## WHAT NEEDS TO BE TESTED?

In fact, not only testing of hydrophilic flooring in places like kitchens, toilets or bathrooms is necessary, other flooring made from stones, concrete, metal, PVC and ceramic etc., in places such as hotels, restaurants, offices, schools, shopping malls, pavements and passages also requires proper testing.

**MORE TESTING SERVICES ARE AVAILABLE, PLEASE CONTACT OUR STAFF OF TEXTILE, FURNITURE AND FOOTWEAR PRODUCTS DIVISION.**

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## HOW TO TEST?

Pendulum test and Ramp test are the two common test standards that assess the slipperiness of flooring. It is expressed in terms of floor resistance level in both dry and contaminated conditions. Based on the Pendulum test values (PTV) or R-value that are obtained from many of the related test standards, we could see whether the flooring is safe or not. Below are examples of some common test methods:

- \*BS 7976                      ■ DIN 51130                      ■ \*ASTM E303
- BS EN 1097-8              ■ BS 7044                      ■ AS/NZS 4586
- BS EN 13036              ■ BS 7188                      ■ BS EN 13748
- BS EN 13893              ■ BS 6077                      ■ BS 8204

\* On-site slip resistance test

### POTENTIAL FOR SLIP

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Pendulum Test Values (ptv)	11-18	18-34	34-51	51-70	>70
DIN 51130 Classification	R9	R10	R11	R12	R13
Slip Angle	6-10	10-19	19-27	27-35	>35

