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## **Re : Method Statement for Measurement of Slip/Skid Resistance Value by Using Pendulum Friction Tester**

### **Scope**

- This method covers the determination of the slip/skid resistant of natural granite pavers..
- In-House Method : PAV-PHY-0501 based on BS 7976 -1 ~ 3 :2002

### **Equipment**

- Pendulum Friction Tester (Fig. 1)
- Potable water
- Thermometer
- Steel ruler
- Sliding length gauge

### **Procedure**

1. Select the appropriate slider and test scale for the size of specimen.
2. Place the tester on a firm surface, adjust the levelling screw to make the column of tester vertical.
3. Check the width of striking edge within 1 to 3mm.
4. Raise the pendulum arm to make it swing freely.
5. Lock the pendulum horizontal by the catch, set the pointer to contact with the pendulum arm.
6. Checking the zero reading of the pointer, if the reading is not zero, adjust the setting of the pointer to obtain the zero reading of pointer.
7. Place the specimen with its longer dimension lying in the track of the pendulum, and centrally with respect to the slider.



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8. Lowering the pendulum to make the striking edge of slider contact with the surface of specimen.
9. Check the striking edge align to the other marking of the gauge, if not, adjust the elevation of the pendulum arm and repeat to ensure the sliding length within 125 to 127mm (or 75 to 77mm for narrow slider).
10. Wet the specimen and slider by water.
11. Lock the pendulum horizontal by the catch, set the pointer to contact with the pendulum arm.
12. Release the pendulum and pointer from the horizontal position and catch again when its return swing, Record the scale reading and re-set the pointer to horizontal.
13. Re-wetting the specimen and repeat the test to obtain others 4 readings, mean the last 3 readings.
14. Calculate the mean value of five readings as the USRV of the sample tested.