

**MODENA CENTRO PROVE s.r.l.**

Sede legale e Laboratorio: 41123 Modena (Italy) - Via Sallustio, 78
 Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
 C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

DETERMINATION OF COEFFICIENT OF FRICTION

Beginning date : 05/06/2014

Analysis ending date : 05/06/2014

SAMPLE : Ceramic tiles, marked **TREND WOOD**

The test has been carried out using the instrument PULL METER, meter of the coefficient of static friction between a sliding element and the surface of test.

A block of wood with a 3" X 3" X1.8" section of standard neolite cement liner attached was placed on the surface to be tested. A weight was placed on the block of wood. Using a dynamometer, the force in pounds required to cause the test assembly to slip parallel to the test surface was measured.

Four measurements were taken on each of three test surfaces, each measurement perpendicular to the previous one. The twelve measurements thus obtained were averaged to obtain the static coefficient of friction for each test conditions.

OPERATING CONDITION

- Loaded junior clerk to the sliding element: 22,4 Kg
- Neolite like material to contact with the test surface

Through a dynamometer it comes measured the horizontal force demanded in order to move the Pull Meter on the surface head; It come executed four measures for everyone of three pieces, everyone perpendicular to the previous one.

RESULTS

Test Condition	N°	N	E	S	W	Average (Kg)	I.S.C. of Friction (*)
Dry Neolite	1	17,0	16,7	16,4	16,6		
Dry Neolite	2	17,6	17,1	17,8	16,7		
Dry Neolite	3	17,1	17,0	16,9	16,7	17,0	0,77
Wet Neolite	1	15,6	16,0	15,8	15,8		
Wet Neolite	2	15,8	16,4	16,8	16,7		
Wet Neolite	3	15,9	16,0	15,9	16,0	16,1	0,73

(*) : neolite correction factor applied

REFERENCE VALUES

The Ceramic Tile Institute identifies tile in the following 3 categories:

1. Anti-slip : ≥ 0.60
2. Conditionally Slip resistant : $0.50 \div 0.60$
3. Questionable : ≤ 0.50

Examiner P.I. Fili Thomas	MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
---	--	---