

Testing, Experimentation and Quality Control Laboratory

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TEST REPORT n. 5193/2021/I**ANSI A326.3:2019****DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION (DCOF) OF HARD SURFACE FLOORING MATERIALS**

Date of report:	10/01/2021
Customer:	CASALGRANDE-PADANA S.p.A. S.S. 467, 73 42013 CASALGRANDE (RE)
Requested on:	09/24/2021
Our ref.number:	31431
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Ceramic tiles 60x60 cm marked:Nature Argilla Silk 60x60"
Sampling:	carried out by the customer
Receipt date of samples:	09/29/2021
Execution date of tests:	start: 09/29/2021 end: 09/29/2021
Test specification:	ANSI A326.3:2019 Determination of dynamic coefficient of friction (DCOF) of hard surface flooring materials.
Warnings:	<i>This test report may not be reproduced in part without our written approval. The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out. The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.</i>

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Scope: this standard describe the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials. This method can be used in the laboratory or in the field.

Procedure: the test is performed using Regan Scientific Instruments' BOT 3000E instrument in wet conditions using 0,05 % Sodium-Lauryl Sulfate (SLS) in water. The SBR rubber sensor is used as a sliding element with standard characteristics as described in point 4.2. The sensor is controlled using a standard tile before and after the test. Three (3) tile samples are tested in four (4) directions. field

Number of samples tested: 3

BOT 3000E calibration date: 01/08/2021

Type of surface: Flat

Cleaning chemical: FILA® PS87

Length of the path: 10 inch (maximum possible path - as per paragraph 9.6.1.1)

Conditions of the test: Wet surface

Type of sensor: SBR rubber

DCOF (wet) of sensor validation surface

Before the test: 0,40

After the test: 0,39

Test results

Sample	Direction 1	Direction 2	Direction 3	Direction 4	DCOF Average
1	0,43	0,40	0,39	0,37	0,40
2	0,44	0,44	0,39	0,42	0,42
3	0,47	0,47	0,44	0,41	0,45



The Director
Giulia Gaido

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