

Forbo Eurocol Deutschland GmbH

Ms. Elisabeth Reinhardt

August-Röbling-Str. 2

99091 Erfurt

Dresden, 12/07/2022

MPET

Test Report Order No. 2723076

This report is a translation of the German language report no. 2723076 of 12/07/2023.

Client: Forbo Eurocol Deutschland GmbH
August-Röbling-Str. 2
99091 Erfurt

Order: Determination of the slip/skid resistance (Method for measurement of slip/skid resistance of a surface - The pendulum test – dry) according to EN 13036-4:2011-10

Contractor: EPH - Laboratory Unit Surface Testing

Engineer in charge: Dipl.-Ing. (FH) M. Peter



Dipl.-Ing. Andreas Möschner
Head of Laboratory Unit Surface Testing

The test report contains 3 pages. Any duplication of extracts requires the written permission of EPH. The test results refer exclusively to the material tested.



1 Task

The accredited Entwicklungs- und Prueflabor Holztechnologie GmbH (EPH) was instructed by Forbo Eurocol Deutschland GmbH in Erfurt to carry out the determination of the slip/skid resistance (Method for measurement of slip/skid resistance of a surface - The pendulum test – dry) according to EN 13036-4:2011-10.

NOTE: All numerical values within this document are given with a comma as decimal.

2 Material

The following samples and information were selected for testing and submitted to the contractor by the client:

Variant 1: Flooring Marmoleum Sport with 1K 863

Variant 2: Flooring Marmoleum Sport with 2K 863

Date of sample receipt: 28/06/2023

3 Determination of the slip/skid resistance (Method for measurement of slip/skid resistance of a surface - The pendulum test – dry) according to EN 13036-4:2011-10

The determination of the slip/skid resistance was carried out according to EN 13036-4:2011-10 by pendulum test under dry conditions with a Portable Skid Resistance Tester SRT 5800 (Fig. 1) with the slider “CEN-rubber (57)” on 3 samples. At least 5 tests were performed for each sample. The test was carried out under laboratory conditions at 23 °C and 50 % relative humidity.

The evaluation was carried out according to EN 14904:2006-04.

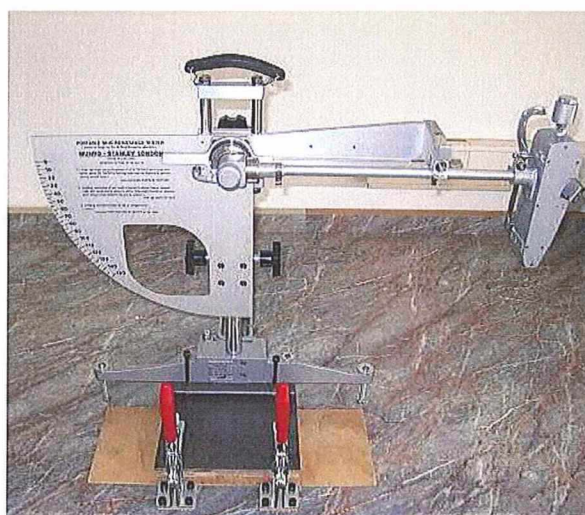


Fig. 1: Portable Skid Resistance Tester SRT 5800

Performance of the tests: 11/07/2023

4 Results

Variant	Test piece	Pendulum value PTV according to 13036-4:2011-10 (dry)							Evaluation according to EN 14904:2006-04****	
		PTV (v1 to v5) * (difference max. 3 scale values, otherwise PTFV)					PTFV (vj) **	PTV Mean value (corrected ****)		
1	1	95	97	98	100	100	100	101	101	fulfilled
	2	93	95	95	97	98	100	101		fulfilled
	3	94	98	99	100	100	100	101		fulfilled
2	1	96	97	98	98	98	-	98	98	fulfilled
	2	95	96	96	97	97	-	97		fulfilled
	3	97	97	98	99	99	-	99		fulfilled

* v1 bis v5 Single values for each pendulum movement

** vj the constant value reached with the last three pendulum movements, if the differences between the first pendulum movements are too large

*** Requirement according to EN 14904:2006-04 for the pendulum value (PTV):

The mean value of the results of the pendulum method must lie between 80 and 110 nor shall any single result differ by more than 4 units from the mean

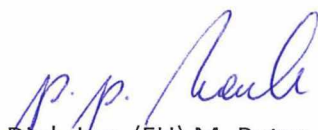
**** Correction factor +1 at temperature 23 °C to 29 °C

5 Evaluation

According to the criteria for CE-labelling according to EN 14904:2006-04, the tested products can be evaluated for the tested property "slip/skid resistance" as follows:

Variant	Property	Result	Evaluation* according to EN 14904:2006-04
1	Slip/skid resistance according to EN 13036-4:2011-10	PTV 101	fulfilled
2		PTV 98	fulfilled

* Statements on conformity assessment/classification were made on the basis of the measurement results obtained. Measurement uncertainties were not included in the assessment (ILAC G8 03/2009 "Guidelines on the Reporting of Compliance with Specification" Section 2.7).


 Dipl.-Ing. (FH) M. Peter
 Engineer in charge