

ANTI-SLIP PROPERTIES OF FLOOR COVERINGS

Customer	: Arlon Graphics LLC P. du Plessis Dr. Lelykade 22 B 2583 CM DEN HAAG
Manufacturer	: Arlon Graphics LLC Dr. Lelykade 22 B 2583 CM DEN HAAG
TCKI order number	: 20.05.01450
Sample test number (Also invoice indication)	: Series 3420 Matte
Sampling date	: 22-05-2020
Date of receipt	: 22-05-2020
Sample taken by	: The customer
Supplied by	: Customer, per mail
Type of material	: Laminate
Colour	: White, transparent

1. Sliding friction coefficient: Tribometer test
2. Pendulum Friction Test

ORIGINEEL TCKI

Yours faithfully,
Velp, 25-05-2020

mrs. Ineke Geist, Head of laboratory

- * The laboratory management can give you, on request, supplementary information concerning the test procedure and the measurement uncertainty of the results or can be found in the clarification document.
- * Results from this report only have reference to the tested material.
- * Duplication of this document is only allowed with preliminary permission of TCKI or client.

1. Determination of the anti-slip properties (EN 14041)

Determination of the dynamic coefficient of friction of floor materials in accordance with EN 14041. The dynamic coefficient of friction, μ , is determined from the ratio of the force to the normal force ($N/N = \text{dimensionless}$).

TCKI order number : 20.05.01450
 Sample code number : Series 3420 Matte
 Test date : 22-05-2020

Type of floor covering material : See cover page
 Description of the surface characteristics of the floor covering :

Place performance : in laboratory
 Equipment used : GMG 200
 Nature of the sliding material : Mixed slider, 2 leather + 1 SBR rubber
 Contaminant : None, test carried out under dry conditions
 Speed : 0.20 – 0.25 m/s
 Measuring length : 80 cm
 Distance between tracks : 10 cm
 Temperature : 20 °C
 Relative humidity : 57 %
 Conditions at the test : Dry
 Pre-processing : None

Dynamic coefficient of friction : Test results

Track	Longitudinal	45 °	Lateral
1	0.49	0.00	0.00
2	0.48	0.00	0.00
3	0.53	0.00	0.00
4	0.53	0.00	0.00
Mean	0.51	0.00	0.00

The mean test result meets the minimum requirement of 0.30 described in EN 14041.

2. Determination of the anti-slip properties (CEN/TS 16165, annex C)

Determination of the pendulum friction of floor materials in accordance with CEN/TS 16165, annex C.

TCKI order number : 20.05.01450
Sample code number : Series 3420 Matte
Location : Laboratory
Slider : 96
Condition : Wet (water)

Sample code	Mean resistance	Mean resistance Opposite direction
3420	32	35
Product mean	34	
Product minimum	32	
Product maximum	35	
Standard deviation	2	