

TFI Report 452039-02

Testing of Resilient Floor Coverings

Customer LG Hausys Ltd.
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SOUTH KOREA

Product resilient floor covering
Medistep Allroad

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This report includes 2 pages and 1 annex(es)

Aachen, 22 December 2015

Dr. Jens-Christian Winkler
authorized manager



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This report only applies to the tested specimens and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles & Flooring Institute GmbH, also with regard to the order execution.

1 Transaction

Test order	Wear resistance according to EN 660-2/A1:2003
Order date	18 November 2015
Your reference	Dan Bi
Product designation	Medistep Allroad
TFI sample number	15-11-0188

2 Product Specification

Use surface	PVC*
Construction	homogeneous
Structure	flat
Pattern	tonal effect without pattern
Colour of the use surface	beige, light beige
Type of delivery	sheet flooring
	*customer information

3 Results

Volume loss [mm ³]	1.6
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4 Annexes

Wear Resistance ^a	FT 452039-02
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The annexes marked ^a are based on tests accredited in accordance with EN ISO/IEC 17025.

Annex FT - Wear Resistance

1 Transaction

Product designation Medistep Allroad
 TFI sample number 15-11-0188
 Testing period 07 December 2015 – 16 December 2015

2 Test Method / Requirements

EN 660-2/A1:2003 Determination of wear resistance - Part 2: Frick-Taber test
 Deviations None
 The test is performed by an authorized subcontractor.

3 Results

Parameter		Result		
		Specimen 1	Specimen 2	Specimen 3
Density [g/cm³]		1.48	1.48	1.48
Mass loss per cycle of 1,000 revolutions [mg]	Cycle 1	28.4	27.2	24.7
	Cycle 2	29.4	26.8	25.0
	Cycle 3	26.7	19.7	23.0
	Cycle 4	25.3	21.0	23.6
	Cycle 5	19.6	20.9	21.4
Total mass loss [mg]		129.4	115.6	117.7
Mass loss Fm per 100 revolutions [mg]		2.6	2.3	2.4
Volume loss Fv per 100 revolutions [mm³]		1.8	1.6	1.6
Average volume loss [mm³]		1.6		

Comments: none