

TFI Report 451065-07

Thermal Resistance

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SOUTH KOREA

Product resilient floor covering
Decoclick 4,0 T

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This report includes 2 pages and 1 annex(es).
This report is a correction of test report no. 451065-01.

Aachen, 17.09.2015

Dr. Jens-Christian Winkler

authorized manager

The present document is provided with a qualified electronic signature and is valid without autograph signature.



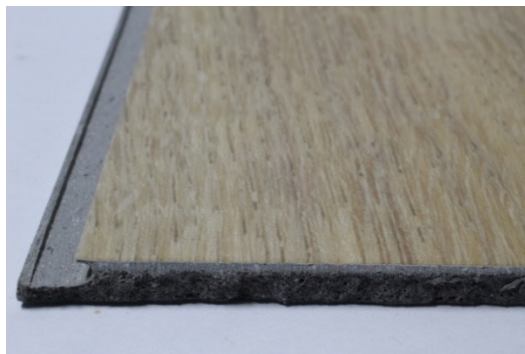
This report only applies to the tested specimens and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles &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

1 Transaction

Test order	thermal resistance according to EN 12664:2001
Order date	15.06.2015
Your reference	Dan Bi
Product designation	Decoclick 4,0 T
TFI sample number	15-06-0156

2 Product Specification

Use surface	not tested
Construction	heterogeneous
Structure	grained
Pattern	multicoloured, patterned
Colour of the use surface	light brown, beige
View	



Thickness [mm]	4*
Area density [g/m²]	7200*
Type of delivery	tiles
	*customer information

3 Results

Thermal resistance	$R = 0,01676 \text{ [m}^2\text{K/W]}$
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4 Annexes

Thermal resistance	WD 451065-07 ^a
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The annexes marked ^a are based on tests accredited in accordance with EN ISO/IEC 17025.

Annex WD - Thermal Resistance

1 Transaction

Product designation	Decoclick 4,0 T
TFI sample number	15-06-0156
Testing period	09.07.2015

2 Test Method / Requirements

EN 12664:2001	Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products with medium and low thermal resistance
Test device	One-specimen apparatus, horizontal
Conditioning	24 h storage according to EN ISO 139:2011 (23°C and 50% rel. humidity)
Thickness built-in [m]	0,0167
Number of Layer	4
Density [kg/m ³]	431

3 Results

Test	T_1 [°C]	T_2 [°C]	ΔT [K]	T_m [K]	R [m ² *K/W]
1	14.0	23.3	9.3	18.6	0.06113
2	23.9	33.0	9.1	28.4	0.05556
3	33.8	42.6	8.8	38.2	0.04822
Calculated thermal resistance $1/\Lambda_{10}$ one layer at a mean temperature of 10 °C [m²k/W]					0.01676

T_1 : temperature of the cold surface of the specimen

T_2 : temperature of the warm surface of the specimen

ΔT : temperature difference; $\Delta T = T_1 - T_2$, T_m

T_m : average temperature of the specimen; $T_m = T_1 + T_2$

R : Increment of thermal resistance

Comments: none