

Evidence of Performance

Thermal conductivity

Test Report

Nr. 10-000788-PR01

(PB-K23-06-en-01)



Client Titan Wood B.V.
PO Box 2147
Westervoortsedijk 73
6802 Arnhem
Netherlands

Product / Construction	Modified wood - product
Designation	ACCOYA® HOLZ
Material	Pinus radiata, modified by acetylation
Thickness	30 mm
Density	514.4 kg/m ³ (average) 495 - 541 kg/m ³ (range)
Conditioning	23 °C / 50 % rh up to constant mass (0.1 % / 24 h)
Special features	--

Basis

EN 12664: 2001
Building materials - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance

EN ISO 10456: 2008
Building materials and products - Hygrothermal properties - Tabulated design values and procedures for determining declared and design thermal values

Instructions for use

This test report serves to demonstrate the declared value of the equivalent thermal conductivity λ_D . The declared value can be used within the calculation acc. to prEN ISO 10077-2: 2011.

The declared value acc. to EN ISO 10456 doesn't represent the design value acc. to DIN V 4108-4. The determination of the design value has to take into account the national regulations.

Validity

The data and results given relate solely to the tested and described specimen.

Testing for thermal conductivity λ does not allow any statement to be made on any further characteristics relevant to performance and quality of the present construction.

Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

The cover sheet can be used as abstract.

Contents

The report comprises a total of 15 pages

- 1 Object
- 2 Procedure
- 3 Detailed results

Thermal conductivity (declared value)



$$\lambda_D = 0.120 \text{ W}/(\text{m} \cdot \text{K})^*$$

* determined at mean temperature of 10 °C

ift Rosenheim

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