

Mrs. Kristina De Temmerman
Centexbel
Technologiepark 7
9052 ZWIJNAARDE

Contact
Didier Van Daele

e-mail
FloorAndFire@ugent.be

date
10/03/2022

TEST REPORT 22-0129-01

Samples received

Name	Date of receipt
T2202114	22/02/2022

Your order 41287

Aim of the test

Determination of the thermal resistance

Test conditions

Thermal resistance

Standard: ISO 8302 (1991)*, EN 12667 (2001)*

Method: 1 plate method: I - meter EP 500.

A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at constant temperature. The amount of energy needed to keep the temperature of the warm and cold plate constant, is an indication for the heat transmission through the sample.

λ : thermal conductivity

R: thermal resistance

Pre treatment: None

Number of tests: 1 measurement per temperature

The tests were finished in week

OBTAINED RESULTS

Thermal resistance

Thickness sample: 1.98 mm (measured at a pressure of 1000Pa)

Temperature (°C)	Temperature Difference	R (m².K/W)	λ (mW/m.K)
23	10 K	0.0084	236.14
28	10 K	0.0082	242.20
33	10 K	0.0079	250.84
Average		0.0082	243.06
<i>CV (%)</i>		<i>3.1</i>	<i>3.0</i>

Tested at 20 ± 2°C and 65 ± 4 % R.V



Didier Van Daele
Head of Floor covering and Fire Tests