



The world's thinnest and best performing insulation

D.O.P. Declaration of performance

N.E2023-003

1	Unique product identification code:	NANOFELT
2	Use :	Insulation for construction and industry
3	Company:	Isolcore New Zealand Company Srl Via Emilia Romagna 38 - Villatora di Saonara (PD) - ITALIA mail: info@isolcore.com

4	Declared performance:
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Available thicknesses	10 mm (<i>from 15 to 50 mm</i>)
Available sizes	> Roll 30 mq (h 1,5 m x 20 m) > Panel 0,5 mq (1m x 0,5 m) > Strip 48x1000 mm
Density	200 (+/- 10%) Kg/m ³
Thermal conductivity	0,015 W/mK
Compressive strength	55 al 10% - 100 al 20% KPa
Thermal conductivity	λ_D 0,016 W/mK *

Hot/cold resistance	from -50 to +300°C
Resistance to water vapour (μ)	13
Fire reaction class	B s1 d0
Thermal resistance R	0,625 m ² ·K/W (10mm)
Specific heat	1.000 J/kgK
Short-term partial immersion water absorption term (Wp)	0 Kg/m ²

* Value certified by CMR laboratory (ACCREDIA), technical report no. 2046-1-21 .Thermal resistance and thermal conductivity tested using the hot plate method with guard ring according to UNI EN 12667:2002: **tests performed on several tests (by lab. CMR). The declared thermal conductivity value complies with UNI EN 10456:2008**

5	Norms
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TECHNICAL TESTS	EUROPEAN REGULATIONS
<p>Declared value in accordance with UNI EN ISO 10456 standard.</p> <p>Value certified by CMR laboratory -Vicenza (IT) (ACCREDIA) Technical report n° 1992-1-21 .</p> <p>Tests carried out by Istituto Giordano and CMR</p> <p>Test for determination of volatile substances - GFC Chimica Test report no. 157/L dated 23-5-2022</p>	<p>UNI EN 12667:2002</p> <p>As described in UNI EN 10456:2008</p> <p>ENI ISO 16000-9</p>

The performance of the product identified above is in accordance with the overall performance declared in section 5. This declaration of liability is issued, in accordance with Directive 2001/95/EC, under the responsibility of the manufacturer mentioned in point 3.

This document has been drawn up on a voluntary basis as there is no harmonised standard for this product. The document aims to communicate the tests performed on NANOFELT, the European reference standards and the names of the ACCREDIA accredited laboratories that performed the tests. Document also downloadable online at: www.isolcore.com/cz

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Signed for and on behalf of the manufacturer by:

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