



The world's thinnest and best performing insulation

## D.O.P. Declaration of Performances

N.E2023-03

1	Unique product identification code:	Isolcore CZ Panel
2	Use :	Insulation for construction and industry
3	Company:	Isolcore New Zealand Company Srl Via Emilia Romagna , 38 , 35020 Saonara (PD) -Italia mail: info@isolcore.com

4	Declared performance:	
	Available thicknesses:	10-13-20-30 mm
	Density:	400 kg/m <sup>3</sup>
	Weight:	4 kg/m <sup>2</sup>
	Compressive strength:	140 - 180 kPa
	Thermal conductivity $\lambda_D$	0,002 W/mK *
	Thermal resistance:	table 1
	Hot/cold resistance:	from -50 to +90°C
	Resistance to water vapour:	1688 $\mu$ +/- 253 **
	Fire class:	A2 fl S1***
	Standard formats (in mm) (others on request):	1000x550 600x550 350x550 350x250 1000x350 550x350 250x350 150x350 Special format 350x50

Specific heat	1000 J/kgK
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**Table 1**

Depth (mm)	$\lambda D$ W/mK	Rd m2K/W	Ud W/m2K
CZ 10 (10mm)	0,002	5,00	0,20
CZ 13 (13mm)		6,50	0,15
CZ 20 (20mm)		10,00	0,10
CZ 30 (30mm)		15,00	0,07

5	Norms
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TECHNICAL TESTS	EUROPEAN REGULATIONS
<p><b>Declared value in accordance with UNI EN ISO 10456 standard.</b></p> <p>Value certified by <b>CMR</b> laboratory -Vicenza (ACCREDIA) Technical report n° 1992-1-21 .</p> <p>Tests carried out by Istituto Giordano and CMR</p>	<p><b>UNI EN 12667:2002</b></p> <p>As described in <b>UNI EN 10456:2008</b></p>
<p>** Test performed by CMR Vicenza institute -(ACCREDIA) - <b>Test report no. 1497-1-19</b></p> <p>-Water vapour transmission test</p>	<p><b>UNI EN 12086: 2013</b></p>
<p>*** Test performed by <b>Istituto Giordano-</b> (ACCREDIA) - Test report no. 366628</p> <p>Fire reaction test</p>	<p><b>UNI EN 13501-1:2019</b></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 the CZ vacuum panel, 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](http://www.isolcore.com/cz)

Date of issue 24/04/2021

Signed for and on behalf of the manufacturer by:

Revision date 02/03/2023

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