Mirel Vratimov a.s., Mourová 114/7, 73932 Vratimov, tel.: +420 596 732 673, fax: +420 596 732 693, IČO: 25912020, DIČ: CZ25912020

DECLARATION OF PERFORMANCE

no. POV 14/2024/EN

1. A unique product type identification code: MIRELON® PANEL laminated by AL/ALZ

2. Intended use: Thermal insulation product for use as thermal insulation for equipment, buildings and industrial instalations. Suitable for insulation in areas where washability is necessary for hygienic reasons.

3. Company, contact adress:

   Mirel Vratimov a. s.
   Mourová 114/7, 739 32 Vratimov
   Tel. 596 732 673, e-mail: mirel@mirelon.com

4. System of assesment and verification of constancy of performance of construction products System 3

5. EN 14313:2009+A1:2013, notified body no. 1023 (Institut pro testování a certifikaci a.s., třída Tomáše Bati 299, Louky, 763 02 Zlín) and notified body no. 1390 (Centrum stavebního inženýrství a.s., ul. Pražská 16, 102 00 Praha 10).

6. The declared properties applies to all thermal insulation products MIRELON® PANEL laminated by AL/ALZ.

Basic characteristic		Properties				Harmonized technical specification
Thermal resistance	Coefficient of thermal conductivity W/m.K	℃	λ_D	℃	λ_D	EN 14313:2009+A1:2013
		-20	0,039	20	0,049	
		0	0,044	50	0,057	
		10	0,046	90	0,069	
	Dimensions and tolerations					
	- panel thickness	15 mm	+/- 2 mm	> 30 mm	+/- 3,5 mm	
		20 - 30 mm	+/- 2,5 mm	X	X	
	- panel width	Š +/- 1%				
	- panel lenght	L +/- 1,5%				
Reaction on fire	Reaction on fire	F-s3, d2				
Thermal resistance stability in aging/degradation	Coefficient of thermal conductivity W/m.K	see table above				
	Dimensions and tolerations	see table above				
	Dimension stability	3%				
	Characteristic stability	it does not change				
	Lowest operating temperature	-40℃				
	Highest operating temperature	90℃				
Thermal resistance stability at high temperature	Characteristic stability	it does not change				
	Dimension stability	3%				
	Highest operating temperature	90℃				

NPD – no property has been determined

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Basic characteristic		Properties	Harmonized technical specification
Stability of reaction on fire at high temperature	Characteristic stability	it does not change	EN 14313:2009+A1:2013
Stability of reaction on fire in aging/degradation	Characteristic stability	it does not change	
Compressive strengh	-	NPD	
Water permeability	Water absorption	WS 005 ($W_p \leq 0,05$)	
Water vapor permeability	Water absorption	NPD	
	Diffusion resistance	NPD	
Release of corrosive substances	Trace amount of soluble ions and pH	CL 5 (≤ 5 mg/kg), PH 6,5	
Sound absorption index	Structure sound transmission	NPD	
	Sound absorption	NPD	
Release of hazardous substances into internal environment	Release of hazardous substances	NPD	
Burning by incadescent glow	Burning by incadescent glow	NPD	

NPD – no property has been determined

The properties of the above-mentioned product are in accordance with the set of declared properties. This declaration of performance is issued under the sole responsibility of the manufacturer referred to above in accordance with Regulation (EU) No. 305/2011.

In Vratimov, 18. 12. 2024

Ing. Milan Rafaj
Board member
Mirel Vratimov a.s.