

DECLARATION OF PERFORMANCE

no. POV 11/2024/EN

1. A unique product type identification code: MIRELON[®] STRIP + LDPE vapor barrier
2. Intended use: Thermal insulation product for use as thermal insulation for equipment, buildings and industrial instalations.
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 Batí 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[®] STRIP + LDPE vapor barrier.

Basic characteristics		Properties				Harmonized technical specification
Thermal resistance	Coefficient of thermal conductivity W/m.K	°C	λ _D	°C	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					
	- strip thickness	2 - 3 mm	+/- 1 mm	X	X	
	- strip width	ξ +/- 1%				
- strip 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°C				
	Highest operating temperature	90°C				
Thermal resistance stability at high temperature	Characteristic stability	it does not change				
	Dimension stability	3%				
	Highest operating temperature	90°C				


NPD – no property has been determined

Basic characteristics		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 strength	-	NPD	
Water permeability	Water absorption	WS 005 ($W_p \leq 0,05$)	
Water vapor permeability	Water absorption	NPD	
	Diffusion resistance	MU 15000	
Release of corrosive substances	Trace amount of soluble ions and pH	CL 5 ($\leq 5 \text{ mg/kg}$), 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 incandescent glow	Burning by incandescent glow	NPD	

NPD – no property has been determined

The technical datasheet was drawn up on the basis of the protocols of the notified bodies: no. 1023 (Institut pro testování a certifikaci a.s., třída Tomáše Bati 299, Louky, 763 02 Zlín) a no. 1390 (Centrum stavebního inženýrství a.s., ul. Pražská 16, 102 00 Praha 10).

Approved 18. 12. 2024

			
1023, 1390			
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EN 14313+A1			
MIRELON[®] STRIP + LDPE vapor barrier			
Thermal insulation products for use as thermal insulation for equipment, buildings and industrial installation			
ThIBEII			
Coefficient of thermal conductivityW/m.K			
°C	λ _D	°C	λ _D
-20	0,039	20	0,049
0	0,044	50	0,057
10	0,046	90	0,069
reaction on fire		F-s3, d2	
strip thickness		see table below	
PEF - EN 14313 - ST(+) 90 - ST(-) -40 - WS 005 - CL 5 - MU 15000 PH 6,5			
strip thickness		2 a 3 mm	