

## extstyle 1 The difference is in quality $\dots$



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# MIRELON® STRIP laminated by PET/PETZ PEF - EN 14313 - ST(+) 90 - ST(-) -40 - WS 005 - CL 5 - PH 6,5

## Thermoinsulating strip from polyethylene foam with closed cell structure

MIRELON® STRIP laminated by PET/PETZ is strip designed to insulate walls, ceilings, floors, roofs, water reservoirs, tanks, large-diameter heating and air distribution systems. Suitable for insulation in areas where washability is neccessary for hygienic reasons (food plants).

MIRELON® STRIP laminated by PET/PETZ is an ideal thermal insulation material for new buildings, adaptations and renovations due to its excellent thermal insulation properties, flexibility and easy workability.

#### **MISAPPLICATION:**

- Thermal insulation of low and high pressure steam distribution systems
- Outdoor instalation without surface protection against weathering and UV radiation
- Instalation in places where the ambient temperature exceeds 90°C
- Use of a self-adhesive strip to fastening of a strip with thickness 20 mm or more to vertical surfaces and ceilings

#### Technical data:

- Laminated design, can be provided with self-adhesive layer
- strip thickness: 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40 a 50 mm (according to EN 14313:2009+A1:2013)
- strip widht: 100 cm (according to EN 14313:2009+A1:2013)
- strip lenght: 2 až 400 m according to strip thickness (according to EN 14313:2009+A1:2013)

Color: gray-black, white

MIRFLON® STRIP laminated by PFT/PFTZ – physical properties

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Basic characteristics		Properties				specification
Thermal resistance		$^{\circ}$ C	λ <sub>D</sub>	$^{\circ}$ C	$\lambda_{D}$	
	Coefficient of thermal	-20	0,039	20	0,049	
	conductivity W/m.K	0	0,044	50	0,057	
		10	0,046	90	0,069	
	Dimensions and tolerations					
	- strip thickness	2 - 5 mm	+/- 1 mm	20 and 30 mm	+/- 2,5 mm	
		6 - 10 mm	+/- 1,5 mm	> 30 mm	+/- 3,5 mm	
		15 mm	+/- 2 mm	Х	Х	
	- strip width	Š +/- 1%				
	- strip lenght	L +/- 1,5%				EN 14313:2009+A1:2013
Reaction on fire	Reaction on fire		F-s			
Thermal resistance stability in aging/degradation	Coefficient of thermal conductivity W/m.K	see table above				
	Dimensions and tolerations	see table above				
	Dimensions stability	3%				
	Characteristic stability	it does not change				
	Lowest operating temperature	-40°C				
	Highest operating temperature	90℃				

NPD - no property has been determined





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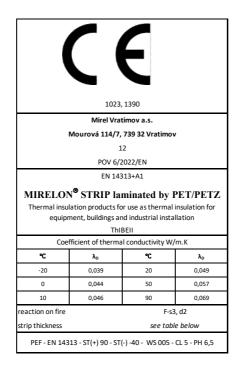
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Basic characteristics		Properties	Harmonized technical specification	
Thermal resistance stability at high temperature	Characteristic stability	it does not change		
	Dimensions stability	3%		
	Highest operating temperature	90℃		
Stability of reaction on fire at high temperature	Characteristic stability	stability it does not change		
Stability of reaction on fire in aging/degradation	Characteristic stability	aracteristic stability it does not change		
Compressive strengh	-	NPD		
Water permeability	Water absorption	WS 005 $(W_p \le 0.05)$		
Water vapor permeability	Water absorption	NPD	EN 14313:2009+A1:2013	
	Diffusion resistance	NPD	EN 14313:2009+A1:2013	
Reelease of corrosive substances	Trace amounts 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 the internal environment	Release of hazardous substances	NPD		
Burning by incadescent glow	Burning by incadescent 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 25. 5. 2022



strip thickness: 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40 a 50 mm

