

**DECLARATION OF PERFORMANCE**  
**Under the CPR EU 305/2011**  
**No. 2023-004 SA46**

1. Unique identification code of the product-type:

**ONDULINE® PIR AL-E**

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Thermal insulation for buildings**

3. Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5):

**ONDULINE SA**  
**24 QUAI GALLIENI**  
**92 150 SURESNES – FRANCE**  
[www.onduline.com](http://www.onduline.com)

4. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**Not Applicable**

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 1 (Reaction to fire) & System 3**

6a. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**UNE-EN 13165:2012+A2:2016**

Notified Body (NB) : **No 0679, Centre Scientifique et Technique du Bâtiment (CSTB)**  
**No 0370, APPLUS LGAI Technological Center**  
**No 1035, Bureau Veritas Certification S.A.U.**

7. Declared performances

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D((m^2.K)/W)$	$d_N$ 25mm	1.10
		$d_N$ 30mm	1.30
		$d_N$ 40mm	1.75
		$d_N$ 50mm	2.20
		$d_N$ 60mm	2.65
$d_N$ 70mm		3.05	
$d_N$ 80mm		3.50	
$d_N$ 84mm		3.70	
$d_N$ 90mm		3.95	
$d_N$ 100mm		4.40	
$d_N$ 110mm		4.85	
	$d_N$ 120mm	5.30	
	Thermal conductivity $\lambda_D(W/(m.K))$	0.023	
	Thickness tolerance	$d_N$ 25-120mm	T2
Reaction to fire		$d_N$ 25mm	F
		$d_N$ 30-120mm	C-s2,d0
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Dimensional stability under specified temperature and humidity condition		DS(70,90)3 NPD	
Deformation under specified compressive load and temperature conditions		NPD	
Compressive strength	Compressive stress or compressive strength	$d_N$ 25-49mm	CS(10\Y)175
		$d_N$ 50-120mm	CS(10\Y)200
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	

Essential characteristics		Performance
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	WL(T)1
	Flatness after one sided wetting	NPD
Water vapour permeability	Water vapour transmission	NPD
Acoustic absorption index	Sound absorption	NPD
Release of dangerous substances to the indoor environment		No harmonized test method available
Continuous glowing combustion		No harmonized test method available
NPD: No Performance Determined		

8. Appropriate Technical Documentation and/or Specific Technical documentation: **NO**

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:  
**Christophe ROHART**  
**R&D Director**

Suresnes, 27/01/2023 Ver.1

