

# declaration

## Declaration of Performance No. CPR-2025-131

<b>Product-type code:</b>	<b>ArmaPET Eco50</b>
<b>Batch number:</b>	see products label
<b>Intended use:</b>	The foam boards “ArmaPET Eco50” are intended to be used for thermal insulation in walls (including cellar walls), ceilings, floors, roofs, between rafters and timber work.
<b>Manufacturer:</b>	Armacell Benelux S.C.S. Rue des Trois Entites 9 BE-4890 Thimister-Clermont
<b>System/s of AVCP:</b>	3
<b>European Technical Approval</b>	ETA-21/0623 of 27.11.2025

### Declared performance/s

Essential characteristics	Performance	Harmonised technical specification
Safety in case of fire		
Reaction to Fire	Euroclass E	EN 13501-1
Hygiene, health and the environment		
Content and/or release of dangerous substances	---	
Water vapour transmission	MU [ $\mu$ ] > 1000	EN 12086/set A.
Safety and accessibility in use		
Compressive stress	>150 kPa	EN826
	CS(10\Y)150	Classification as required by EAD 040179-00-1201
Dimensional stability (23°C, 50% RH)	The relative change in length $\Delta\epsilon_l \leq \pm 1 \%$ The relative change in width $\Delta\epsilon_b \leq \pm 1 \%$	EN 1603
Dimensional stability (48h, 70°C, 90% RH)	<u>For thicknesses 20-200mm:</u> The relative change in length $\Delta\epsilon_l \leq 4 \%$ The relative change in width $\Delta\epsilon_b \leq 4 \%$ The relative change in thickness $\Delta\epsilon_d \leq 4 \%$	EN 1604
Energy economy and heat retention		
Thermal Conductivity	$\lambda_D = 0,032 \text{ W/(m.K)}$ $R_D = \text{see Table 1}$	4.2.1 of EN 13164 and EN 12667
Dimensions: Thickness	T3	EN 823

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Dimensions: Width	±8mm for boards ≤1500mm ±10mm for boards >1500mm	EN 822
Dimensions: Length	±8mm for boards ≤1500mm ±10mm for boards >1500mm	EN 822
Squareness	< 5mm/m	EN 824
Flatness	< 6mm	EN 825
Long-term water absorption by immersion	WL(T)3	EN 12087, method 2A.
Long-term water absorption by diffusion	For thicknesses < 50 mm: No Performance Assessed For thicknesses ≥ 50 mm: WD(V)2 (EAD clause 2.2.15).	EN 12088
Freeze-thaw resistance	For thicknesses < 50 mm: No Performance Assessed For thicknesses ≥ 50 mm: FTCD4 (EAD clause 2.2.16).	EN 12091
Deformation under specified compressive load and temperature conditions	DLT(2)5	EN 1605
Tensile strength perpendicular to faces	For thicknesses ≤ 80 mm: TR400 (EAD clause 2.2.18). For thicknesses > 80 mm: TR100 (EAD clause 2.2.18).	EN 1607

Table 1: thermal resistance  $R_D$  ( $m^2 \cdot K/W$ ) with ArmaPET Eco50  $\lambda_D = 0,032 W/(m \cdot K)$

dN (mm)	20	30	40	50	60	70	80	90	100
$R_D$	0,65	0,95	1,25	1,55	1,90	2,20	2,50	2,80	3,15

dN (mm)	110	120	130	140	150	160	170	180	190	200
$R_D$	3,45	3,75	4,05	4,40	4,70	5,00	5,30	5,65	5,95	6,25

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

Signed for and on behalf of the manufacturer by:

**Stefan Reuterlöv, Technical & Marketing Manager PET Foams**  
**Thimister, 14.04.2026**

*Stefan Reuterlov*

[Stefan Reuterlov \(Apr 15, 2026 13:27:31 GMT+2\)](#)

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