

Armacell Oneflex EA-ALF

Self-adhesive elastomeric foam sheet with aluminium covering - 6, 9, 13, 19 and 25 mm

Product family	Oneflex	Version	EA-ALF - self-adhesive with aluminium covering
Material	Flexible elastomeric foam (FEF), closed-cell	Width	1,000 mm
Standard / DoP	EN 14304:2009+A1:2013 / DoP 0745-CPR-2019-093	Manufacturing	Armacell Yalitim A.S., Bursa, Türkiye

Dimensions and thickness-specific data

Product code	Thickness	Width	Roll length	Roll area	$R_{0^{\circ}\text{C}}^*$
ON-06-99/EA-ALF	6 mm	1,000 mm	30 m	30 m ²	$\geq 0.171 \text{ m}^2\text{K/W}$
ON-09-99/EA-ALF	9 mm	1,000 mm	20 m	20 m ²	$\geq 0.257 \text{ m}^2\text{K/W}$
ON-13-99/EA-ALF	13 mm	1,000 mm	14 m	14 m ²	$\geq 0.371 \text{ m}^2\text{K/W}$
ON-19-99/EA-ALF	19 mm	1,000 mm	10 m	10 m ²	$\geq 0.543 \text{ m}^2\text{K/W}$
ON-25-99/EA-ALF	25 mm	1,000 mm	8 m	8 m ²	$\geq 0.714 \text{ m}^2\text{K/W}$

* Calculated minimum thermal resistance at mean temperature 0 °C using $R = d/\lambda$ and declared $\lambda_d \leq 0.035 \text{ W/(m}\cdot\text{K)}$. This value is calculated design information, not a separately declared product value.

Common declared properties

Property	Value	Reference
Thermal conductivity at 0 °C	$\lambda_d \leq 0.035 \text{ W/(m}\cdot\text{K)}$	DoP / TDS
Temperature-dependent λ	$\lambda(\theta_m) = (35 + 0.1 \cdot \theta_m + 0.0008 \cdot \theta_m^2) / 1000 \text{ W/(m}\cdot\text{K)}$	DoP
Water vapour diffusion resistance	$\mu \geq 5,000$	DoP
Min. service temperature	-50 °C	DoP
Max. service temperature	+110 °C	DoP
Reaction to fire - sheets	B-s3,d0	DoP
Product description	Flexible closed-cell insulation material	TDS

Important documentation note. Armacell's current Oneflex Technical Datasheet (12/2025) states a temperature range of -40 to +120 °C and practical fire class E. DoP 0745-CPR-2019-093 for Oneflex manufactured in Bursa states -50 to +110 °C and B-s3,d0 for sheets 3-50 mm. This summary uses the DoP values as declared performance according to EN 14304. For fire requirements or regulatory classification of the EA-ALF variant with aluminium surface, current variant confirmation from Armacell should be obtained before final project specification.

Sources and document status

- Armacell Oneflex Product Brochure, 12/2025: product codes and dimensions for "Sheet - self-adhesive with aluminium covering".
- Armacell Declaration of Performance No. 0745-CPR-2019-093: declared properties according to EN 14304:2009+A1:2013, Bursa manufacturer.
- Armacell Oneflex Technical Datasheet, 12/2025: current general technical product information.

Official sources: www.armacell.com. This PDF is a technical summary based on Armacell's official documentation and is not an original datasheet issued by Armacell. Version: 2026-08-13.