

Declaration of Performance No. 0543-CPR-2020-101

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| Unique identification code of the product-type: | AF/ArmaFlex Evo |
| Intended use/es: | Thermal insulation of building equipment and industrial installations (ThiBELL) |
| Manufacturer: | Armacell GmbH Robert-Bosch-Str. 10 D-48153 Münster |
| System/s of AVCP: | 1 and 3 |
| Harmonised standard: | EN 14304:2009+A1:2013 |
| Notified body/ies: | NB 0919 |
| Declared performance/s: | |

| Essential characteristics | Performance | | |
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| Thermal resistance / Thermal conductivity | Tubes | $d_N = 7 - 25 \text{ mm}$ (AF - EVO - 1 - AF - EVO - 4) | $\lambda_{0^\circ\text{C}} \leq 0,033 \text{ W}/(\text{m} \cdot \text{K})$ $\lambda(\vartheta_m) = (33 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$ |
| | Tubes | $d_N = 25 - 45 \text{ mm}$ (AF - EVO - 5 - AF - EVO - 6) | $\lambda_{0^\circ\text{C}} \leq 0,036 \text{ W}/(\text{m} \cdot \text{K})$ $\lambda(\vartheta_m) = (36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$ |
| | Tape Sheets | $d_N = 3 - 32 \text{ mm}$ | $\lambda_{0^\circ\text{C}} \leq 0,036 \text{ W}/(\text{m} \cdot \text{K})$ $\lambda(\vartheta_m) = (36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$ |
| | Sheets | $d_N = > 32 - 50 \text{ mm}$ | $\lambda_{0^\circ\text{C}} \leq 0,037 \text{ W}/(\text{m} \cdot \text{K})$ $\lambda(\vartheta_m) = (37 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$ |
| Reaction to fire | Tubes | $d_N = 7 - 45 \text{ mm}$ (AF - EVO - 1 - AF - EVO - 6) | $B_L - s2, d0$ |
| | Tape Sheets | $d_N = 3 - 50 \text{ mm}$ | $B - s2, d0$ |
| Fire resistance | EI 15 - EI 90 ⁵⁾ | | |
| Durability of thermal resistance against ageing/ degradation | Dimensional stability ¹⁾ Minimum service temperature ST(-)50 (= -50 °C) | | |
| Durability of thermal resistance against high temperatures | Maximum service temperature ST(+)110 (=110°C) | | |
| Durability of reaction to fire against ageing/ degradation | Durability characteristics ²⁾ | | |
| Durability of reaction to fire against high temperature | Durability characteristics ²⁾ | | |
| Water permeability | NPD ⁴⁾ | | |
| Water vapour permeability/ Water vapour diffusion resistance | Tubes | $d_N = 7 - 25 \text{ mm}$ (AF - EVO - 1 - AF - EVO - 4) | $\mu 10000 (\mu \geq 10000)$ |
| | Tubes | $d_N = 25 - 45 \text{ mm}$ (AF - EVO - 5 - AF - EVO - 6) | $\mu 7000 (\mu \geq 7000)$ |
| | Tape Sheets | $d_N = 3 - 50 \text{ mm}$ | |

declaration

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| Rate of release of corrosive substances | Trace quantities of water-soluble chloride ions CL300 (≤ 300 ppm) |
| Acoustic absorption index | NPD ⁴⁾ |
| Release of dangerous substances to indoor environment | NPD ^{3) 4)} |
| ¹⁾ The thermal conductivity of flexible elastomeric foam does not change with time ²⁾ The fire performance of flexible elastomeric foam products does not change with time. ³⁾ European test methods are under development. ⁴⁾ No Performance Determined (NPD) ⁵⁾ Details: classification report K-3579/821/14 MPA BS | |

This declaration of performance is made available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage:
<http://www.armacell.com/DoP>

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:

Georg Eleftheriadis, Technical Marketing Manager EMEA
Münster, 04.02.2021



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