

Declaration of Performance No. 0543-CPR-2013-022

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| Unique identification code of the product-type: | HT/Armaflex S |
| 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: | 3 |
| Harmonised standard: | EN 14304:2009+A1:2013 |
| Notified body/ies: | NB 0919, NB 0751, NB 0432 |
| Declared performance/s: | |

| Essential characteristics | Performance | | |
|---|---|-----------------|--|
| Thermal resistance / Thermal conductivity | Tubes | $d_N = 10 - 32$ | $\lambda_{40^\circ\text{C}} \leq 0,042 \text{ W}/(\text{m} \cdot \text{K})$ $\lambda(\vartheta_m) = (36,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2) / 1000$ |
| Reaction to fire | Tubes | $d_N = 10 - 32$ | E |
| 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 | | |
| Water vapour permeability/ Water vapour diffusion resistance | Tubes | $d_N = 10 - 32$ | $\mu \leq 4000$ ($\mu \geq 4000$) |
| Rate of release of corrosive substances | Trace quantities of water-soluble chloride ions CL80 (≤ 80 ppm) | | |
| Acoustic absorption index | NPD ³⁾ | | |
| 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) | | | |

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.

declaration

Signed for and on behalf of the manufacturer by:

Georg, Eleftheriadis, Technical Marketing Manager EMEA

Münster, 22.10.2018



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