

Declaration of Performance No. 0543-CPR-2013-002

Unique identification code of the product-type:	Armaflex XG
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, NB 0751, NB 0432

Declared performance/s:

Essential characteristics	Performance		
Thermal resistance / Thermal conductivity	tubes sheets, tape	$d_N = 6 - 19 \text{ mm}$ $d_N = 3 - 25 \text{ mm}$	$\lambda_{0^\circ\text{C}} \leq 0,035 \text{ W/(m}\cdot\text{K)},$ $\lambda(\vartheta_m) = (35 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$
	tubes sheets	$d_N = 25 - 40 \text{ mm}$ $d_N = 32 - 40 \text{ mm}$	$\lambda_{0^\circ\text{C}} \leq 0,036 \text{ W/(m}\cdot\text{K)},$ $\lambda(\vartheta_m) = (36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$
Reaction to fire	tubes sheets, tape	$d_N = 6 - 40 \text{ mm}$ $d_N = 3 - 40 \text{ mm}$	B _L -s3,d0 B-s3,d0
Durability of thermal resistance against ageing/degradation	Dimensional stability ¹⁾ Minimum service temperature ST(-)50 (= -50 °C)		
Durability of thermal resistance against high temperature	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 sheets, tape	$d_N = 6 - 19 \text{ mm}$ $d_N = 3 - 25 \text{ mm}$	Mu 10000 ($\mu \geq 10000$)
	tubes sheets	$d_N = 25 - 40 \text{ mm}$ $d_N = 32 - 40 \text{ mm}$	Mu 7000 ($\mu \geq 7000$)
Rate of release of corrosive substances	NPD		
Acoustic absorption index	NPD		
Release of dangerous substances to indoor environment	NPD ³⁾		

- 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)

declaration

This declaration of performance is made available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: 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:
Klaus Peerenboom, General Manager EU North
at Münster on 01.01.2015



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