

Declaration of Performance No. 0552-CPR-2013-001

Unique identification code of the product-type:	AF/ArmaFlex
Intended use/es:	Thermal insulation of building equipment and industrial installations (ThiBEll)
Manufacturer:	Armacell Iberia S.L. c/ Can Magi n° 1 Poligono Industrial Riera d'Esclanya, E-17213 Esclanya (Girona)
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		
Thermal resistance / Thermal conductivity	Tubes	$d_N = 7 - 25 \text{ mm (AF1 - AF4)}$	$\lambda_{0^\circ\text{C}} \leq 0,033 \text{ W/(m} \cdot \text{K)}$ $\lambda(\vartheta_m) = (33 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$
	Tubes	$d_N = 25 - 45 \text{ mm (AF5 - AF6)}$	$\lambda_{0^\circ\text{C}} \leq 0,036 \text{ W/(m} \cdot \text{K)}$ $\lambda(\vartheta_m) = (36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2) / 1000$
	Tubes	$d_N = 54 \text{ mm}$	
Reaction to fire	Tubes	$d_N = 7 - 45 \text{ mm (AF1 - AF6)}$	$B_L - s3, d0$
	Tubes	$d_N = 54 \text{ mm}$	E_L
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	$d_N = 7 - 25 \text{ mm (AF1 - AF4)}$	$\mu 10000 (\mu \geq 10000)$
	Tubes	$d_N = 25 - 45 \text{ mm (AF5 - AF6)}$	$\mu 7000 (\mu \geq 7000)$
	Tubes	$d_N = 54 \text{ mm}$	$\mu 4000 (\mu \geq 4000)$
Rate of release of corrosive substances	Trace quantities of water-soluble chloride ions CL300 ($\leq 300 \text{ ppm}$)		
Acoustic absorption index	NPD ⁴⁾		

declaration

Release of dangerous substances to indoor environment	NPD ^{3) 4)}
<ol style="list-style-type: none"> 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
Begur, 02.10.2020



[signature]