

Declaration of Performance No. 0543-CPR-2020-102

Unique identification code of the product-type:	NH/ArmaFlex Smart
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		
Thermal resistance / Thermal conductivity	Tubes	$d_N = 9 - 32 \text{ mm}$	$\lambda_{0^\circ\text{C}} \leq 0,040 \text{ W}/(\text{m}\cdot\text{K}),$ $\lambda(\vartheta_m) = (40 + 0,1 \cdot \vartheta_m + 0,0009 \cdot \vartheta_m^2) / 1000$
	Tape, Sheets	$d_N = 3 - 32 \text{ mm}$	
Reaction to fire	Tubes	$d_N = 9 - 32 \text{ mm}$	$D_L-s2,d0$
	Tape, Sheets	$d_N = 3 - 32 \text{ mm}$	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 ⁴⁾		
Water vapour permeability/ Water vapour diffusion resistance	Tubes	$d_N = 9 - 32 \text{ mm}$	Mu 2000 ($\mu \geq 2000$)
	Tape, Sheets	$d_N = 3 - 32 \text{ mm}$	
Rate of release of corrosive substances	Trace quantities of water-soluble chloride ions CL80 ($\leq 80 \text{ ppm}$)		
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)		

declaration

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, 21.01.2021



[signature]