Declaration of Performance
DOP-No. 0543-CPR-2013-074

1. Unique identification code of the product-type:	**ArmaFlex ACE Plus**	
2. Intended use/es:	Thermal insulation of building equipment and industrial installations (ThiBEll)	
3. Manufacturer:	Armacell GmbH Robert-Bosch-Str. 10 48161 Münster	☎ 0049 7603 0 🖷 0048 71 317 5115 info.de@armacell.com www.armacell.com
4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	not applicable	
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	AVCP 1 and 3	
6. Harmonised standard: **Notified certification body** [1] **Notified testing laboratory** [2]	EN 14304:2009+A1:2013 Notified certification body No. **0919 (GSH)** performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire. The notified test laboratory **No. 0767 (MPA Dresden GmbH)** has issued the test reports for Reaction to fire, **No. 0432 (MPA NRW)** Reaction to fire, **No. 1234 (Efectis)** Reaction to fire, **No. 1004 (IBP)** Thermal conductivity, **No. 0751 (FIW)** Thermal conductivity.	
7. Declared performance/s:	FEF-EN14304-ST(+)110-ST(-)50-MU10000 FEF-EN14304-ST(+)110-ST(-)50-MU7000	

[1] Güteschutzgemeinschaft Hartschaum e.V. (GSH), Schildenstraße 24, 29221 Celle, Germany

[2] MPA Dredsen GmbH, Fuchsmühlenweg 6F, 09599 Freiberg, Germany
Materialprüfungsamt Nordrhein-Westfalen (MPA NRW), Marsbruchstraße 186, 44287 Dortmund, Germany
Efectis Nederland BV, Brandpuntlaan Zuid 16, NL 2665 NZ Bleiswijk, The Netherlands
Fraunhofer-Institut für Bauphysik IBP, Nobelstraße 12, 70569 Stuttgart, Germany
Forschungsinstitut für Wärmeschutz e. V. München FIW München, Lochhamer Schlag 4, 82166 Gräfelfing, Germany

armacell
MAKING A DIFFERENCE AROUND THE WORLD

Essential characteristics		Performance		
Thermal resistance	Thermal conductivity	Tubes	$d_D = 6 - 25$ mm	$\lambda_{0°C} \leq 0{,}035$ W/(m · K)
		Sheets	$d_D = 3$ mm $- 32$ mm	$\lambda(\vartheta_m) = (35 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta^2)/1000$
		Tubes	$d_D = 26$ mm $- 40$ mm	$\lambda_{0°C} \leq 0{,}036$ W/(m · K)
		Sheets	$d_D = > 32$ mm	$\lambda(\vartheta_m) = (36 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta^2)/1000$
	Dimensions and Tolerances	Tubes	d_D = 6 – 40 mm; Di,D = 6 – 168 mm Dimensions and tolerances met	
		Sheets	d_D = 3 – >32 mm Dimensions and tolerances met	
Reaction to fire		Tubes	$d_D = 6 - 40$ mm	$B_L - s2, d0$
		Sheets	$d_D = 3$ mm $- 32$ mm	$B - s3, d0$
		Sheets	$d_D = > 32$ mm	
Durability of thermal resistance against ageing/ degradation [a]		Maximum service temperature ST(+)110 (=110°C)		
		Minimum service temperature ST(-)50 (=-50°C)		
		Dimensions and tolerances met		
		Durability characteristics met		
Durability of thermal resistance against high temperatures [a]		Maximum service temperature ST(+) 110 (= 110 °C)		
		Durability characteristics met		
Durability of reaction to fire against ageing/ degradation [b]		Durability characteristics met		
Durability of reaction to fire against high temperature [b]		Durability characteristics met		
Compressive strength [c]		---		
Water permeability		NPD		
Water vapour permeability		Tubes	$d_D = 6 - 25$ mm	MU 10000 ($\mu \geq 10000$)
		Sheets	$d_D = 3$ mm $- 32$ mm	
		Tubes	$d_D = 26$ mm $- 40$ mm	MU 7000 ($\mu \geq 7000$)
		Sheets	$d_D = > 32$ mm	
Rate of release of corrosive substances		NPD		
Acoustic absorption index		NPD		
Release of dangerous substances [d]		NPD		
Continuous glowing combustion [d]		NPD		

NPD No Performance Determined; ϑ_m Mean Temperature

[a] The thermal conductivity of flexible elastomeric foam does not change with time

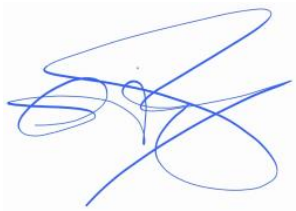
[b] The fire performance of flexible elastomeric foam products does not change with time.

[c] Compressive strength is not applicable for FEF products.

[d] European test methods are under development.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:
Dr.-Ing. Elke Rieß, Manager Central Technical Management EMEA
Münster, 11.12.2023



……..
[signature]

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 http://www.armacell.com/DoP.