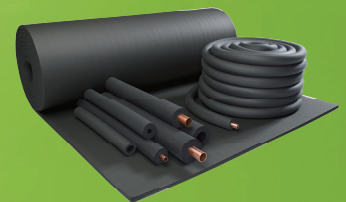


# HT/Armaflex®

FLEXIBILITY AT HIGH TEMPERATURES



- Advanced insulation for industrial applications
- Reduces risk of corrosion under insulation (CUI)
- Built-in UV-resistance for long service life

**EPD**  
Environmental Product Declaration



## Technical Data - HT/Armaflex

Brief description	Highly flexible, closed cell insulation material based on extruded elastomer foam with resistance to UV radiation.
Material type	Synthetic EPDM rubber based foam. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	black
Applications	Thermal insulation of pipes, vessels and ducts in: solar collectors (including outdoors), motor vehicles, hot gas lines and steam and dual temperature lines.
Special Features	Resistant to UV radiation.
Safety and Environment	Type III Environmental Product Declaration (EPD): Declaration number "EPD-ARM-20150108-IBB1-DE", Institut Bauen und Umwelt e.V. (IBU).
Assembly	The Armaflex® installation manual and the Technical Bulletin No. 71 should be consulted before assembly.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .

Property	Value/Assessment				Test <sup>1</sup>	Special Remark	
Temperature Range							
Temperature Range <sup>1</sup>	max. service temperature <sup>2</sup>		+ 150 °C		EU 5666	Tested according to: EN 14706 EN 14707 EN 14304	
	min. service temperature		-50 °C				
Thermal Conductivity							
Thermal Conductivity	ϑ <sub>m</sub>		40		EU 5316	Declared acc. to EN ISO 13787 Tested according to EN 12667 EN ISO 8497	
	tubes	λ ≤ 0,042	W/(m · K)				
	sheets	λ ≤ 0,045	W/(m · K)				
Water vapour diffusion resistance							
Water vapour diffusion resistance	tubes	μ		≥	4.000	EU 5316	Tested according to EN 12086 EN 13469
	sheets	μ		≥	3.000		
Fire performance							
Reaction to fire	Euroclass (tubes)		D <sub>L</sub> -s3, d0		EU 5316	Classified acc. to EN 13501-1 Tested according to EN 13823 and EN ISO 11925-2	
	Euroclass (sheets)		D-s3, d0				
Other Fire Class	UL -approved		V-0		UL: EU 5835	UL: Tested according to UL94, IEC 60695 and Can/CSA-C.22.2 No0.17., UL 746C	
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames						
Other technical features							
Dimensions and tolerances	In accordance with EN 14304, table 1				EU 5316	Tested acc. to EN 822, EN 823, EN 13467	
UV resistance <sup>3</sup>	High				TB 142, D 5525	Tested according to EN ISO 4892-1	
Storage & Shelf life	Tape, self-adhesive: 1 year					Can be stored in dry, clean rooms at normal relative humidity (50 % to 70 %) and ambient temperature (0 °C - 35 °C)	
AGI Designation Code	Tubes	36.12.05.09.02					
	Sheets	36.07.05.09.02					

- For temperatures above +125 °C or below -50 °C please contact our Customer Service Center to request for the corresponding technical information.
  - At high service temperatures a certain hardening process may start on the inner surface of the material. Investigations have shown that these changes have no impact on the good physical and fire protection properties of the material, provided the material is installed in a correct way with all its joints properly sealed. For specific applications please consult our technical service.
  - With outdoor applications, in certain circumstances the material may experience a discoloration of the surface and some minor surface cracks will appear. The visual appearance however has no influence on the physical properties of the material, such as thermal conductivity and behaviour in case of fire.
- \*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Please consult our Customer Service Center before insulating stainless steels. Armaflex HT625 adhesive must be used to guarantee proper installation. For temperatures below -50 °C or above +150 °C, please consult our Customer Service Center for further information.



Pol. Ind. Riera d'Esclanyà C/ Can Magí, 1 • 17213 Esclanyà - Begur • Girona • Spain  
Phone +34 972 61 34 43 • Fax +34 972 98 26 69  
[www.armacell.es](http://www.armacell.es) • [info.es@armacell.com](mailto:info.es@armacell.com)