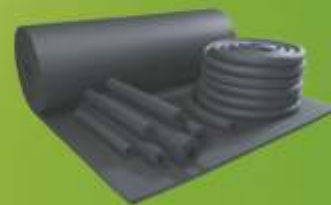


HT/Armaflex®

THE FLEXIBLE EXPERT FOR OUTDOOR
AND HIGH TEMPERATURE
APPLICATIONS



- Withstand a large range of normal weathering
- Built-in water vapour barrier reduces risk of corrosion under insulation (CUI)
- Retains its physical characteristics throughout its service life
- Low maintenance and repair costs
- Outstanding durability
- High degree of stability in wide temperature range
- Minimum energy loss through low thermal conductivity



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 pannels (including outdoors), motor vehicles, hot gas lines and steam- and dual temperature lines
Special Features	Resistant to UV radiation
Assembly	The Armaflex installation manual and the Technical Bulletin No. 71 should be consulted before assembly
Remarks	EC Certificate of Conformity no. 0543 of Güteschutzgemeinschaft Hartschaum e.V. , Celle

Property	Value/Assessment	Test ¹	Super- vision ²	Special Remark
Temperature Range				
Temperature Range ¹	max. service temperature ² + 125 °C (+ 85 °C for tapes) min. service temperature - 50 °C	EU 5316	○/●	Tested according to EN 14707 EN 14706
Thermal Conductivity				
Thermal Conductivity	ϑ_m 40 °C $\lambda =$	EU 5316	○/●	Tested according to EN 12667 EN ISO 8497
	tubes $\lambda \leq 0,042$ W/(m · K) $[\frac{36,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2}{1000}]$			
	sheets $\lambda \leq 0,045$ W/(m · K) $[\frac{39,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2}{1000}]$			
Water vapour diffusion resistance				
Water vapour diffusion resistance	tubes $\mu \geq 4.000$	EU 5316	○/●	Tested according to EN 12086 EN 13469
	sheets $\mu \geq 3.000$			
Fire Performance				
Reaction to Fire	Euroclass (tubes) D _L -s3, d0	EU 5316	○/●	Classified acc. to EN 1350-1 Tested according to EN 13823 & EN ISO 11925-2
	Euroclass (sheets) D-s3, d0			
Other Fire Class	UL-approved	UL: D3763 Lloyd R EU 6136		UL: Tested according to UL 94, IEC 60695 and Can/CSA-C.22.2 No0.17, UL 746C
	Llyods Register			
Practical fire behavior	Self-extinguishing, does not drip, does not spread flames			
Other Technical Features				
UV Resistance ³	Good			
Dimensions and Tolerances	In accordance with EN 14304, table 1	EU 5316	○/●	Tested acc. to EN 822, EN 823, EN 13467
Resistance to	Building Materials : Very good Chemicals : Consult product test list Ozone : Very good			
Environmental Aspects	ODP Zero GWP Zero			
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)			

1. For temperatures above +125 °C or below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

2. At high 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.

3. 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.

*2 ●: Official supervision by independent institutes and /or test authorities
○: Own in-factory quality monitoring

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.

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