

HT/Armaflex®
Industrial

THE FLEXIBLE EXPERT FOR INDUSTRIAL
APPLICATIONS



- Withstands a large range of normal weathering
- Built-in water vapour barrier reduces risk of corrosion under insulation (CUI)
- Retain its physical characteristics throughout its service life
- Low maintenance and repair costs
- Outstanding durability under exposure to ultraviolet light
- High degree of stability throughout a wide temperature range
- Low thermal conductivity to minimize energy losses

Technical Data - HT/Armaflex Industrial

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 / protection of pipes, vessels and ducts (incl. elbows, fittings, flanges etc.) in industrial and process equipment installations.		
Special Features	Resistant to UV radiation.		
Assembly	The Armaflex installation manual 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	max. service temperature ¹ + 150 °C						
	min. service temperature - 50 °C						
Thermal Conductivity							
Thermal Conductivity	ømm 0 °C λ=					●	Tested according to EN 12667 EN ISO 8497
	tubes	λ ≤ 0.038		W/(m · K)	$[36,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2]/1000$		
	sheets	λ ≤ 0.041		W/(m · K)	$[39,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2]/1000$		
Water vapour diffusion resistance							
Water vapour diffusion resistance	tubes	μ		≥	4,000	○	Tested according to EN 12086 EN 13469
	sheets	μ		≥	3,000		
Fire performance							
Reaction to fire	Euroclass (tubes) DL-s3, d0					○/●	Tested according to DIN EN 13823 DIN EN ISO 11529-2 BS 476 pt 7
	Euroclass (sheets) D-s3, d0						
	Class 1						
Other Fire Class	Please contact our technical services department						
Density	70 - 85 kg/m³					○	Tested according to ISO 845 ASTM D 1622
Dimensions and tolerances	In accordance with EN 14304, table 1				EU 4950		Tested acc. to EN 822, EN 823, EN 13467
UV resistance ²	Good						
Leachable chlorides	< 30 ppm						Tested according to DIN EN 13468
Acoustic Insertion Loss	When used as part of a system HT/Armaflex satisfies ISO 15665 (Classes A to C) and DEP 31. 46. 00. 31 - GEN (Class D)						

1. For temperatures above +125 °C or below -50 °C please contact our Customer Service Center to request for the corresponding technical information.
2. 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. Please consult our Customer Service Center before insulating stainless steels. Armaflex HT625 adhesive must be used to guarantee proper installation. Installation instructions are available in our Armaflex installation manual.

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