

Armaflex[®] ACE

THE ECONOMICAL FLEXIBLE
INSULATION



- Flexible and easy to install
- Reduction of thermal losses
- Optimal range for application on most common installations

Technical Data - Armaflex ACE

Brief description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity.
Material type	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	black
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.
Applications	Insulation / protection of pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) of air-conditioning / refrigeration and process equipment as well as heating and plumbing lines to prevent condensation and save energy.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP

Property	Value/Assessment	Test ¹	Super- vision ²	Special Remark
Temperature Range				
Temperature Range	max. service temperature + 110 °C min. service temperature ¹ - 50 °C	(+ 85 °C if sheet or tape is glued to the object with its whole surface) EU 5704	o/●	Tested acc. to EN 14706, EN 14707 and EN 14304
Thermal Conductivity				
Thermal Conductivity	ϑ_m +/- 0 °C tubes 6-19 mm $\lambda \leq 0,036$ tubes 25 mm $\lambda \leq 0,038$ sheets 6-25 mm, tape $\lambda \leq 0,036$ sheets 32-50 mm $\lambda \leq 0,038$	$W/(m \cdot K)$ [36 + 0,1 · ϑ_m + 0,0008 · ϑ_m^2]/1000 $W/(m \cdot K)$ [38 + 0,1 · ϑ_m + 0,0008 · ϑ_m^2]/1000 $W/(m \cdot K)$ [36 + 0,1 · ϑ_m + 0,0008 · ϑ_m^2]/1000 $W/(m \cdot K)$ [38 + 0,1 · ϑ_m + 0,0008 · ϑ_m^2]/1000	EU 5704	o/● Declared acc. to EN ISO 13787 Tested acc. to EN 12667 and EN ISO 8497
Water vapour diffusion resistance				
Water vapour diffusion resistance	$\mu \geq 7.000$	EU 5704	o/●	Tested acc. to EN 12086 and EN 13469
Fire performance				
Reaction to fire	tubes $D_L-s3,d0$ sheets $D-s3,d0$ tape $B-s3,d0$	EU 5704	o/●	Classified acc. to EN 13501-1 Tested acc. to EN 13823 and EN ISO 11925-2
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 5704	o/●	Tested acc. to EN 822, EN 823, EN 13467
UV resistance ²	Protection against UV-radiation is necessary.			
Storage & Shelf life	Self-adhesive tapes, self-adhesive sheets: 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 below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

2. If Armaflex is applied under UV-radiation the material must be protected within 3 days with a covering or painting.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our Customer Service Center for further information.

