



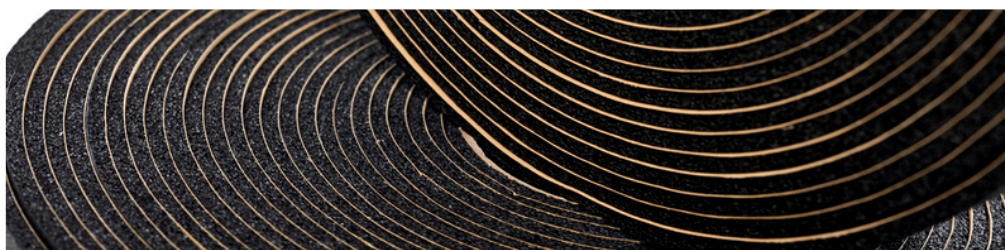
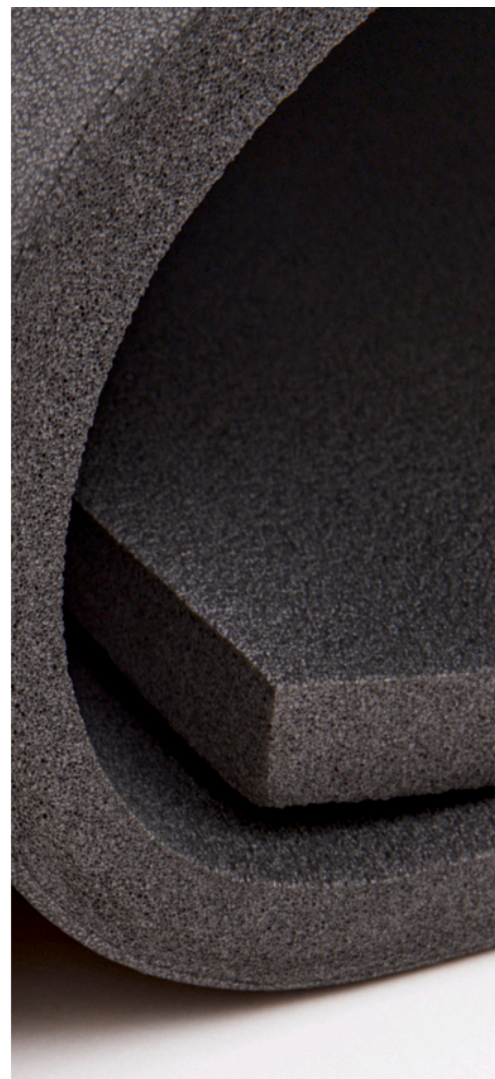
INSTALL IT. TRUST IT.

ArmaFlex

AC Class 0

The trusted insulation system for HVAC/
R applications

- // Class 0 fire classification according to BS476 Parts 6 and 7
- // Long-term reliable condensation control
- // Effectively reduces thermal and energy losses



 **armacell**[®]
ArmaFlex[®]

TECHNICAL DATA - ARMAFLEX AC CLASS 0

Brief description	ArmaFlex AC Class 0 is a flexible insulation material that reliably protects against water vapour ingress due to its closed-cell structure. No additional water vapour barrier is required.
Material type	Highly flexible closed-cell elastomeric foam material based on synthetic rubber.
Additional material 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.
Product colour range	Black
Special features	High flexible closed-cell insulation material especially designed for HVAC/R applications.
Applications	Thermal insulation/protection of pipes, air ducts and vessels (including elbows, fittings, flanges, etc.) in hot and cold water services, chilled water lines, heating systems, air conditioning ductwork and refrigerated pipework, installed in commercial, industrial, residential and public buildings to control condensation, protect against frost and reduce energy loss.
Installation	Please refer to the ArmaFlex installation manual for advice. ArmaFlex can be used together with ArmaFlex 520 adhesive and ArmaFix pipehangers for a complete insulation system.

Property	Value / Assessment					Standard / Test method
Temperature range						
Service temperature	Min. °C ¹	Max. °C			ASTM C534 - Grade 1	
	-50	110				
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface				
Thermal conductivity						
Declared thermal conductivity	θm	-20	+/- 0	+20	+40	ASTM C518, EN ISO 8497, GB/T 10294, GB/T 10296
	λd ≤ [W/(m·K)]	0.032	0.035	0.037	0.040	
Fire Performance and Approvals						
Fire propagation for products	Class 0					BS 476 Parts 6 and 7
Surface burning characteristics	25/50 rated					ASTM E84
UL standards						
UL 94 V-0	FM4924					UL 94, IEC 60695-11-10, UL 746B
Fire performance						
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames					
Resistance to water						
Water absorption	0.2%					ASTM E96, procedure A
Water absorption by vacuum	≤ 5%					ASTM C209
Physical attributes						
Dimensions and tolerances	In accordance with ASTM C302-13 (R17)					ASTM C203
Weather and UV resistance						
UV resistance ²	Protection against UV radiation is necessary (see Technical Bulletin no. 142)					
Resistance to ozone	Excellent					
Health and environment						
Volatile organic compounds (VOC) content	Low volatile organic compounds (VOC), Low Total Aldehyde.					
Environmental aspects	Zero ODP and GWP.					

Property	Value / Assessment	Standard / Test method
Other technical features		
Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

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

²If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with ArmaFinish Paint, or a covering such as Arma-Chek within 3 days of installation.

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our Data Protection Policy.

© Armacell, 2022. All rights reserved. Trademarks followed by ® or ™ are trademarks of the Armacell Group.

Microban is a registered trademark of Microban Products Company.

TDS | 012023 | en-IN

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency, making a difference around the world every day. With more than 3200 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.



For more information, please visit:
www.armacell.com