



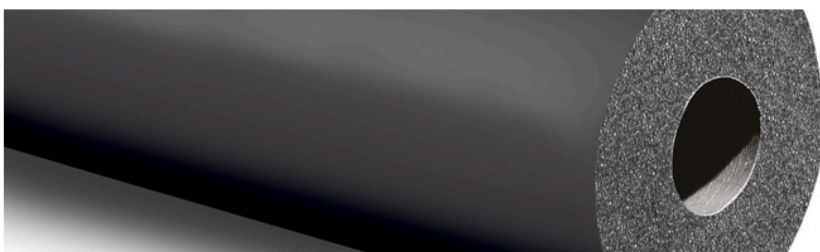
INSTALL IT. TRUST IT.

ArmaFlex SE

The upgraded essential RF2 rubber solution for the Swiss market

- // Compliant with VKF and Minergie ECO regulations
- // Fulfilment of technical values externally monitored
- // Support by Swiss technical and marketing team
- // No additional cladding needed

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 **armacell**[®]
ArmaFlex[®]

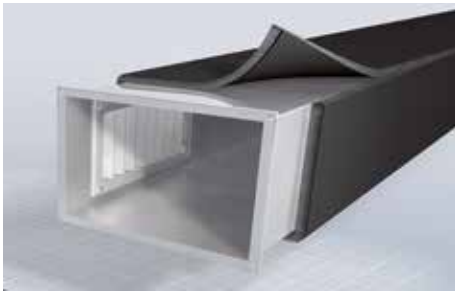
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ArmaFlex SE

ArmaFlex SE is the essential energy-efficient solution developed for offering the best balance between quality and value. Its technical features makes it suitable for applications such as HVAC-Air (ventilation) and HVAC-Liquid (piping).

MINERGIE-ECO | VKF

Bromine-free | Antimony-free | PVC-free*



// ENERGY EFFICIENCY

Insulating mechanical equipment with ArmaFlex SE is one of the simplest measure to be energy efficient. With air-conditioning accounting for approximately 50 percent of office and public buildings energy demand today, equipment insulation offers an enormous energy saving potential.

// INCREASED FIRE SAFETY

95 percent of fire fatalities occur due to smoke inhalation. In a fire, low smoke density can be a matter of life or death for those trapped. Armacell uses innovative technologies to get the right balance between high technical performance and reduced smoke development. **Meeting RF2 building material class.**

// COMPLIANT TO SWISS REGULATIONS

Technical insulation products have to comply with the Swiss standards. Swiss authorities also streamline the importance of moving to products with a better smoke classification in order to increase the fire safety in buildings. ArmaFlex SE already complies with the latest Swiss standards such as **VKF and MINERGIE-ECO.**



COMPLIANT TO VKF AND MINERGIE-ECO REGULATIONS



TECHNICAL VALUES EXTERNALLY MONITORED



SUPPORT BY SWISS TECHNICAL AND MARKETING TEAM



NO ADDITIONAL CLADDING NEEDED

*only applicable for sheets

TECHNICAL DATA - ARMAFLEX SE

Brief description	Highly flexible, closed-cell insulation material
Material type	Elastomeric foam based on synthetic rubber. Factory-made flexible elastomeric foam (FEF), according to EN 14304.
Additional material information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure. Covered with polyethylene foil. Traces of silicone may be present on the paper/foil protecting self-adhesive closures.
Product colour range	Black
Applications	Insulation/protection of pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) of air-conditioning, refrigeration and process equipment to prevent condensation and save energy as well as insulation of pipes in sanitary and heating applications.
Remarks	VKF: Technical information (UG 142) and (UG 122) Minergie-ECO: ecoBase

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature ¹	Min. °C	Max. °C ²	EN 14706, EN 14707, EN 14304
	-50	110	
Thermal conductivity			
Declared thermal conductivity	Øm	0°C	EN ISO 13787, EN ISO 8497
	$\lambda d \leq [W/(m \cdot K)]$	0.035	
	Range	Tubes 9 - 19 mm	
	Formula	$\lambda d = [35 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN ISO 8497, EN 12667
	$\lambda d \leq [W/(m \cdot K)]$	0.036	
	Range	tubes > 19 - 32 mm, sheets 3 - 32 mm, tape	
	Formula	$\lambda d = [36 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
Fire Performance and Approvals			
Reaction to fire	tubes: RF2 [C(L)-s2,d0] sheets: RF2 [C-s2,d0] tape: RF2 [C-s2,d0]		EN 13501-1, EN ISO 11925-2, EN 13823
Fire performance			
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
Resistance to water vapour			
Water vapour diffusion resistance factor	$\mu \geq 7.000$		EN 12086, EN 13469
Physical attributes			
Dimensions and tolerances	in accordance with EN 14304, table 1		EN 822, EN 823, EN 13467
Weather and UV resistance			
UV resistance ³	Protection against UV radiation is necessary (see Technical Bulletin no. 142).		
Other technical features			
Adhesion and sealing	ArmaFlex 525 is the certified adhesive for this product. However, ArmaFlex 520 can potentially be used for tubes.		
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 use in temperatures beyond the maximum and minimum service temperature range indicated in the technical data table, please contact our Customer Service Centre.

²+85 °C, for products with a self-adhesive layer.

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

Roll - standard. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	Content [metric]
AF-SE-13-99/E	13	1,000	8	8 m ²
AF-SE-19-99/E	19	1,000	5	5 m ²
AF-SE-25-99/E	25	1,000	4	4 m ²
AF-SE-32-99/E	32	1,000	3	3 m ²

Roll - standard self-adhesive. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	Content [metric]
AF-SE-13-99/EA	13	1,000	8	8 m ²
AF-SE-19-99/EA	19	1,000	5	5 m ²
AF-SE-25-99/EA	25	1,000	4	4 m ²
AF-SE-32-99/EA	32	1,000	3	3 m ²

Tape - self-adhesive. Black

Item	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
AF-SE-TAPE	3	50	15	12 roll

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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 3,300 employees and 25 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 acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.



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