

**Class 0 Armaflex®**  
with **Arma-Chek® GC**

ECONOMICAL PRECOVERED ARMAFLEX®  
SYSTEM FOR RESISTANCE TO MECHANICAL  
IMPACT

**NOW IN  
5 COLORS!**



- Pre-covered insulation system with 5 colour options
- Good resistance to mechanical impact & scratch
- Faster installation with pre-covered sheets and tubes
  
- Better aesthetics and ease in identification
- Closed-cell structure prevents water vapour ingress
- No risk of galvanic corrosion



## Technical Data - Class 0 Armaflex® with Arma-Chek® GC

Brief description	Arma-Chek® GC is flexible, woven glass fibre covering that provides effective mechanical protection for the insulated system. Now available in 5 colour variants, Arma-Chek® GC can aid in the identification of different pipelines (e.g. hot & cold lines) and enhanced aesthetics.
Material type	Elastomeric foam based on synthetic rubber (NBR) with reinforced Glass Cloth covering. Thickness of Glass Cloth shall be 0.18 mm / 7 mil.
Colour	Base material is Black. Covering is available in Black, Grey, Red, Blue and Green.
Product Range	Available in pre-covered sheets in 6 mm, 9 mm, 13 mm, 16 mm, 19 mm, 25 mm & 32 mm thickness. Length of sheet as per Armaflex® standards Available in pre-covered tubes with / without self-seal in 9 mm, 13 mm, 19 mm, 25 mm & 32 mm thickness. Length: 1 m Also separately available as Glass Cloth covering
Applications	Insulation to prevent condensation, reduce energy losses, prevent from scratch / mechanical damage and protect against frost on pipes, air ducts and vessels. Suitable for hot and cold water services, chilled water lines, heating systems, air conditioning ductwork, refrigerated pipework, process and industrial pipework & equipments.
Assembly	Easy and faster installation with added mechanical protection due to flexible pre-covered foam material

Property	Value/Assessment						Special Remark
Temperature Range							
Temperature Range*	max. service temperature	+105 °C		(+85 °C if sheets or tape is glued to the object with its whole surface)			Tested to EN 14706 EN 14707 and EN 14304
	min. service temperature	0 °C					
Thermal Conductivity							
Thermal * Conductivity	$\vartheta_m$	0		+20	+40	[°C]	Tested to EN 12667 EN ISO 8497
	$\lambda$	≤	0.035	0.037	0.039	W/(m · K)	
Water Vapour Diffusion Resistance							
Water Vapour * Diffusion Resistance	$\mu$	≥	7,000				Tested to EN 12086 EN 13469
Fire Performance							
Reaction to Fire*	Fire performance acc. to building regulation			Class 0			Surface Spread of Flame: tested to BS 476 Part 7:1997 Fire Propagation: tested to BS 476 Part 6:1989
	Surface Spread of Flame			Class 1			
	Fire propagation			Total index performance (I) ≤ 12 Sub index (i <sub>s</sub> ) ≤ 6			
Other Fire Class*	Flammability			HB, V-0			Tested to UL 94
	FM Approved						Tested to FM 4924
Practical Fire * Behavior	Self-extinguishing, does not drip and does not spread flames						
Resistance to Mechanical Impact	Good						
Safety and Environment *	Dust- and fibre-free Zero ODP and GWP						
Storage and Shelf Life	Shall be stored in dry & clean area. Away from direct sunlight						

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 Arma-Chek® installation manual.

In outdoor applications there may be discolouration of the covering, but it will not have any negative effect on functionality of the product.

\* For Class 0 Armaflex® material (Base material) only

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