

# **Class 0 Armaflex® Plus** **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
- Lifelong built-in Microban® anti-microbial product protection



Technical Data - Class 0 Armaflex® Plus 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 Green. Covering is available in Black, Grey, Red, Blue and Green.
Material Special Information	Made with Microban®* - antimicrobial product protection
Product Range	Available in pre-covered sheets in 8 mm, 12 mm, 18 mm, 23 mm & 30 mm thickness. Length of sheet as per Armaflex® standards 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		+ 85 °C		(+ 85 °C if sheet or tape is glued to the object with its whole surface.)		Tested acc.to EN 14706 and EN 14304
	min. service temperature		+ 7 °C		(0 °C in case of SA Sheets)		
Thermal Conductivity							
Thermal # Conductivity	θ <sub>m</sub>		0	+20	+40	°C	Tested acc. to EN 12667
	λ ≤		0.033	0.035	0.037	W/(m · K)	
Water vapour diffusion resistance							
Water vapour # diffusion resistance	μ ≥		10,000				Tested acc. to EN 12086
Fire performance							
Reaction to fire #	Fire performance acc. to building regulation			Class 0			Surface Spread of Flame:tested acc to BS 476 Part 7:1997  Fire Propagation: tested acc 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 #	FM Approved						Tested acc. to UL 94
	UL 94 - HB, V-0						
Practical Fire # Behavior	Self-extinguising, does not drip and does not spread flames						
Chemical behaviour #	Excellent resistance to ozone, oil and chemicals (consult product test list)						
Storage & Shelf life #	Shall be stored in dry & clean area. Away from direct Sunlight Self adhesive tapes, self-adhesive sheets: 1 year						
Antimicrobial # behaviour	Fungi resistance			No fungal / mould growth			Tested acc. to DIN EN ISO 846 method A
	Bacterial Resistance			No bacterial growth			Tested acc. to DIN EN ISO 846 method C
	EPA Approved						

\*Microban is EPA (Environment Protection Agency), USA Approved.

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® Plus material (Base material) only

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