

Arma-Chek® GC

ECONOMICAL PRECOVERED ARMAFLEX SYSTEM
FOR RESISTANCE TO MECHANICAL IMPACT



- Economical covering system
- Good resistance to mechanical impact & scratch
- Class 0 Fire Performance
- UV & oil resistant

- FM Approved
- Completely closed cell structure
- No risk of galvanic corrosion



Technical Data - Arma-Chek GC

Brief description	Arma-Chek GC is flexible, woven glass fibre covering system for long term mechanical protection of mechanical substrates						
Material type	Elastomeric foam based on synthetic rubber (NBR) with reinforced Glass Cloth covering.						
Colour	Base material is Black. Covering is available in Black & Grey.						
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 self-seal / without self-seal in 19 mm, 25 mm & 32 mm thickness. Length: 1 m						
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.						
Safety and Environment	ODP zero GWP zero Dust & fibre free						
Assembly	Closed cell structure means no additional vapour barrier is required						
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 acc.to EN 14706, EN 14707 and EN 14304
	min. service temperature ¹	0 °C		(-200 °C)			
Thermal Conductivity							
Thermal* Conductivity	δ_m	0		+20	+40	[°C]	Tested acc. to EN 12667 EN ISO 8497
	λ	≤	0.035	0.037	0.039	W/(m · K)	
Water vapour diffusion resistance							
Water vapour* diffusion resistance	μ	≥	7,000				Tested acc. to EN 12086 EN 13469
Fire Performance							
Reaction to Fire*	Fire performance acc. to building regulation			Class O			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 _s) ≤ 6			
Other Fire Class*	FM Approved UL 94 - HB, V-0						Tested acc. to UL 94
Practical Fire Behavior	Self-extinguishing, does not drip and does not spread flames						
Chemical Behaviour	Excellent resistance to ozone, oil and chemicals (consult product test list)						
Resistance to mechanical impact	Good						
UV resistance ¹	Good, suitable for outdoor application						
Artificial weathering	UV testing	Pass					Use recommended mastic over joints Tested According to EN ISO 4892 - 2 METHOD A
Galvanic corrosion	No risk						
Storage & 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.

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

* All certificates are available for Armaflex Class O material (Base material) only.

Armacell India Pvt. Ltd.

GAT No. 744-745, Village Lonikand, Pune Nagar Road • 412216 Pune •

Maharashtra • India

Phone +91 20 66782000

www.armacell.com • info.isa@armacell.com

CIN: U24293PN2005FTC131939