

Arma-Chek® R

FLEXIBLE NON-METALLIC COVERING
FOR INDUSTRIAL INSULATION



- Flexible polymeric covering formulated with CSM (CSPE) with combined acoustic barrier performance, ISO 15665 compliant
- Excellent mechanical and weathering protection
- Specially developed for use in offshore and industrial environments
- Reduces the risk of corrosion under insulation (CUI)

- Resistant to UV, salt water and chemicals
- In-built water vapour barrier $\mu > 50.000$
- Works in harmony with Armaflex®, expanding and contracting as required
- IMO certified

Technical Data - Arma-Chek R

Brief description	Flexible covering system for elastomeric and other insulation material types. Especially developed for use in offshore and industrial environments.		
Material type	Flexible polymer based rubber formulated with Chlorosulphonated Monomer (CSPE).		
Colour	Grey		
Applications	Protection of insulated pipework, fittings, vessels and equipment in Offshore, heavy industry, chemical and petrochemical environments which need protection against damage in situations of high mechanical stress.		
Special Features	Exceptional resistance to UV attack, salt water and mechanical impact. Reduces the risk of Corrosion Under Insulation (CUI). Excellent acoustic performance with natural dampening properties to reduce re-radiation effects.		
Assembly	The Armaflex® and Arma-Chek installation manuals should be consulted before assembly. Please consult our Customer Service Centre.		
Property	Value/Assessment		Special Remark
Temperature Range			
Temperature Range	max. service temperature ¹	+100 °C	
	min. service temperature	-50 °C	
Thermal Conductivity			
Thermal Conductivity	Depending on insulation used. System thermal performance depends on properties and configuration of individual layers.		
Water vapour diffusion resistance			
Water vapour diffusion resistance	μ	\geq	50,000
			Tested according to EN 12086 and ASTM E96 Procedure A
Fire performance			
Reaction to fire	Euroclass	B-s3,d0	Classified according to EN 13501-1 Tested according to EN 13823 and EN ISO 11925-2
Other Fire Class	Part 2 and Part 5 (IMO 2010 FTP Code) ASTM E 84 BS 476 Part 6 and Part 7 NFP 92-507	Pass Class A (< 25 flame spread index) Class 0 and Class 1 M1	IMO Approved by Lloyds and Bureau Veritas, DNV
Other technical features			
Density	1600 kg/m ³ ± 100 kg/m ³		
Resistance to mechanical impact	Very good		
Tear strength	> 7,0 N/mm		Tested according to ISO 34-1
Tensile strength	> 5,0 MPa		Tested according to ISO 37
Elongation	> 200 %		Tested according to ISO 37
Exposure	UV Resistant, Ozone Resistant		UV resistance assessed according to Allunga Exposure Laboratory
Acoustic Insertion Loss	When used as part of a system Arma-Chek R complies to ISO 15665 Classes A to C and Shell DEP 31.46.00.31-Gen Class D.		Tested according to ISO 3741 and ISO 15665 (equivalent method ASTM E1222)

1. For temperatures above +105 °C, please consult our Customer Service Center for further information.

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. Please consult our Customer Service Center before insulating stainless steels. Armaflex 520 or Armaflex HT 625 Adhesive must be used to guarantee proper installation. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct. However, Armacell cannot guarantee that the data are 100 % accurate. Furthermore, minor deviations in colour, quality and dimensions are unavoidable and in most cases do not influence the performance of the product. Armacell expressly disclaims any and all liability in relation to any results obtained or arising from any use of the product or reliance on such information. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the goods described or the information provided herein. All the statements and technical information within this document should be read in conjunction with the customer's own specification. It is the responsibility of the recipient to inform all involved parties about the content of these documents. The described and recommended methods should be strictly followed. If there is a requirement to deviate from our recommendations, please contact us in advance to discuss possible suitable alternatives. Armacell will not be liable for any claim resulting from a failure to observe our specification or any other agreed solutions and from non-observance of the customer's specification.

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