

Arma-Chek® R

FLEXIBLE NON-METALLIC COVERING
FOR OFFSHORE AND INDUSTRIAL
INSTALLATIONS



- Flexible polymeric covering formulated with CSM (CSPE) with combined acoustic barrier performance
- Excellent mechanical and weathering protection
- Specially developed for use in offshore and industrial environments
- Mitigates the risk of corrosion under insulation (CUI)
- Resistant to UV, salt water and chemicals
- In-built water vapour barrier $\mu > 50,000$



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 Remarks
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 (on metallic surface)
		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	1550 to 1700 kg/m ³	
Resistance to mechanical impact	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 or below those indicated in the "temperature range" above, please contact our Customer Service Centre to request for the corresponding technical information.

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended. Installation instructions are given in our Arma-Chek installation manual. Please consult our Technical Department before insulating stainless steel. 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.

Arma-Chek R covering rolls



Code	Thickness [mm]	Width [mm]	Length [m]	m ² /roll	
RCS-R10/2-07-GY	2	700.0	10	7	
RCS-R20/1-07-GY	1	700.0	20	14	

Arma-Chek R accessories



Code	Description	Pieces/carton	
ADH-HT625/1,0	Armaflex® HT625 one-component adhesive, 1,0 litre cans	12	
CLEANER/1,0	Special cleaner for use with Armaflex® Adhesive 520 and Armaflex® Adhesive HT625.	4	
ACH-MASTICS	Sealing compound for installing Arma-Chek R, Cartridge 290 ml	12	