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 μ>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	≥	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)	Pass		IMO Approved by Lloyds and Bureau Veritas, DNV
	ASTM E 84	Class A (< 25 flame spread index)		
	BS 476 Part 6 and Part 7	Class 0 and Class 1		
	NFP 92-507	M1		
Other technical features				
Density	1600 kg/m³ ± 100 kg/m³			
Resistence 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.

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