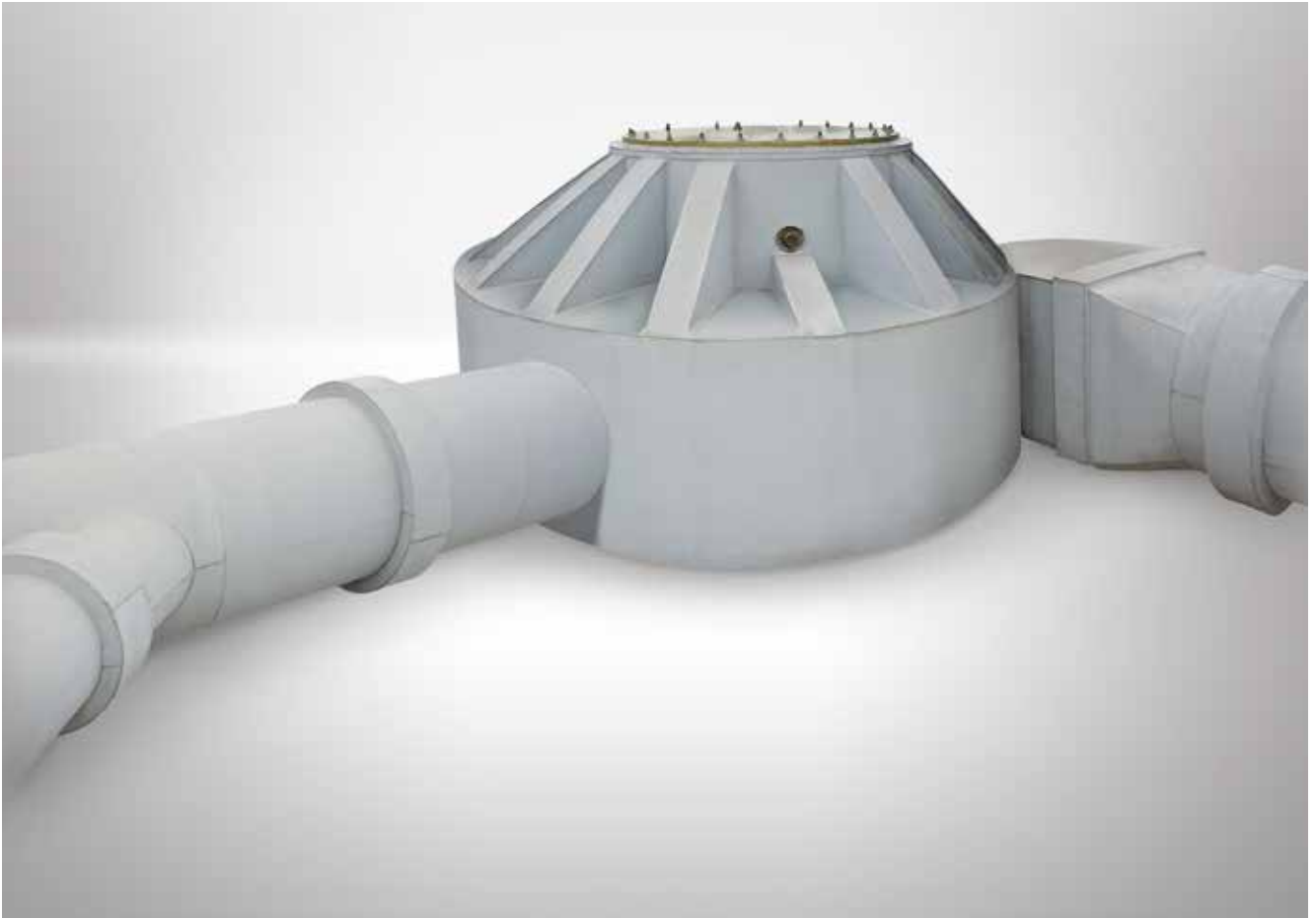


Arma-Chek[®] R



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



RANGE

COVERING



MASTIC



RECOMMENDED
PRODUCTS

For a complete installation



ArmaFlex HT625 adhesive



ArmaFlex Cleaner

TECHNICAL DATA

Arma-Chek R is a flexible covering system for elastomeric and other insulation materials. 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.
Assembly	The ArmaFlex® and Arma-Chek installation manuals should be consulted before assembly. Please consult our Customer Service Centre.
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.

Property	Value/Assessment	Standards & Remarks
Temperature Range		
Max service temperature	+100 °C	(For temperatures above +100 °C & below -50 °C please contact our technical department)
Min service temperature	-50 °C	
Thermal Conductivity		
	Depends on the Armaflex substrate used.	
Water Vapour Diffusion Resistance		
	$\mu \geq 50,000$ per m inch ≤ 0003	Tested acc.to EN 2086 & ASTM E96 Procedure A
Fire performance		
Reaction to fire	Euroclass B-s3,d0	Classified acc.to EN 13501-1 Tested acc. to EN 13823 & EN ISO 11925-2
Fire class		
Part 2 & Part 5 (IMO 2010 FTP Code) ASTM E 84 BS 476 Part 6 & 7 NFP 92-507	Pass Class A (< 25 flame spread index) Class 0 & Class 1 M1	IMO Approved by DNV & Bureau Veritas
Other technical features		
Density	1650 -1750 kgm ³	
Tear strength	> 7 N/mm	Tested acc. to ISO 31-1
Tensile strength	> 5 MPa	Tested acc. to ISO 37
Resistance to mechanical impact	Good	
Elongation	> 200%	Tested acc. to ISO 37
Exposure	UV resistant, Ozone resistant	UV resistance assessed acc. to Allunga Exposure Lab

COVERING (ROLLS)

Colour - Grey



Code	Thickness (mm)	Width (mm)	Length (m)	m ² roll	
RCS-R10/2-07-GY	2	700	10	7	
RCS-R20/1-07-GY	1	700	20	14	

MASTIC



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



PROJECT

BP Clair Ridge Oil Platform
North Sea

PRODUCTS USED

Arma-Chek R
HT/ArmaFlex Industrial

ArmaFlex HT625

THE HIGH TEMPERATURE ADHESIVE FOR USE WITH HT/ARMAFLEX

- Specially formulated for a wide range of temperatures and applications
- Water-tight bonding of HT/ArmaFlex® and ArmaFlex® DuoSolar insulation systems
- For operating temperatures up to +150 °C
- High performance, one component industrial grade adhesive
- Low-viscosity air-drying contact adhesive



ARMAFLEX HT625

One-component adhesive for high temperature applications, specifically developed for HT/ArmaFlex installations but also suitable for all ArmaFlex synthetic rubber based insulation materials.

Material type	Contact adhesive on polychloroprene basis, free of aromatic components.
Colour	Beige
Material special info	Liquid
Applications	Application on pipes and tanks with service temperature up to +150°C. Gluing of HT/ArmaFlex insulation materials and other ArmaFlex synthetic rubber based insulation materials (except ArmaFlex Ultima).
Special features	Specially formulated adhesive for uniform and safe seam bonding of ArmaFlex insulation materials applied on high temperature lines.
Assembly	Please observe our installation instructions/product data sheets. Application temperature: ideally +20°C, not below 0°C. At temperatures below +5°C or high humidity approx above 80%), increased condensation may form on the surfaces to be glued or adhesive films. In these cases bonding is poor or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on operating plant or areas exposed to strong sunlight.
Remarks	The adhesive achieves its final strength after 36 hours. Only then should plant be put into operation. Wait 36 hours before applying coatings [exception: ArmaFinish 99], adhesive tape, coverings etc.

TECHNICAL DATA

Temperature Range	
Max service temperature	+150 °C (For temperatures above +110 °C please contact our technical department)
Min service temperature	-50 °C (For temperatures below -50 °C please contact our technical department)
Performance	
Coverage (guidance only)	<p>Minimum consumption with the adhesive applied to both surfaces: ArmaFlex tubes (thickness > consumption unslit > consumption slit)</p> <ul style="list-style-type: none"> • 10mm > 1120m per litre > 140m per litre • 20mm > 280m per litre > 70m per litre • 30mm > 175m per litre > 45m per litre • 40mm > 130m per litre > 35m per litre <p>Sheets</p> <ul style="list-style-type: none"> • 3-4 m² per litre
Storage & shelf life	
	<p>12 months in an unopened container. Do not store with explosive substances / spontaneously combusting substances. Store as cool as possible but protected from frost. In the event of frost any gelification is reversible on warming</p>
Preparation of surfaces	
	<p>Clean surfaces and ArmaFlex surface with ArmaFlex Cleaner. Compatibility with bases:</p> <ul style="list-style-type: none"> • Very good adhesion to metallic surfaces. • The adhesive's compatibility with colour coated surfaces needs to be tested. • Incompatible with Asphalt, bitumen and red lead (linseed oil-based)
Working time	
Drying time	3- 5 mins
Contact adhesion	15 - 20 mins
Setting	36 hours
	The open time depends on the quantity as well as indoor climate conditions. Before operating plant the setting time needs to be allowed to lapse.
Other technical features	
Flash point	approx -26 °C
Explosion limits	Lower: approx 1.1 Vol % Upper: approx 12.8 Vol %
Hazard class	Highly flammable
Ageing stability	Very good
Resistance to weathering	Very good
Recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. For details see relevant Safety Data Sheet. Packaging must be emptied of all residues. Packaging with traces of cured product can be recycled. Packaging with uncured product must be recycled into new product.
Transport classes	Depending on the type of transport

ARMAFLEX HT625 ADHESIVE

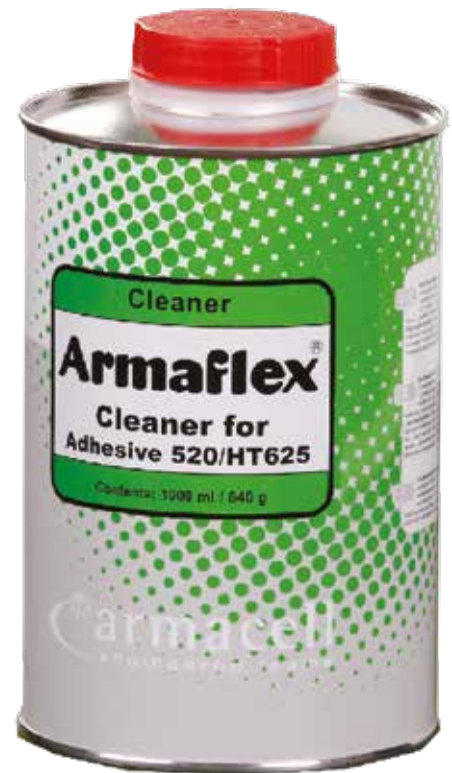


Code	Description	Pieces/carton	£/pc
ADH-HT625/0.25 •	ArmaFlex HT625 one component adhesive, 0.25 Litre can, with brush	40	21.30
ADH-HT625/0.5	ArmaFlex HT625 one component adhesive, 0.5 Litre can, with brush	12	29.35
ADH-HT625/1.0	ArmaFlex HT625 one component adhesive, 1 Litre can, with brush	12	48.53

ArmaFlex Cleaner

SURFACE CLEANER FOR ARMAFLEX INSTALLATIONS

- Ensures a clean surface before the use of ArmaFlex® Adhesives
- Removal of dirt from surfaces
- Cleaning of brushes and tools contaminated with ArmaFlex® adhesive



ARMAFLEX Cleaner	
Special cleaner for use with all ArmaFlex adhesives	
Colour	Clear
Material special info	Liquid
Applications	Cleaning of surfaces where ArmaFlex is to be installed.
Assembly	To ensure a perfect adhesion all contaminated surfaces, including ArmaFlex, must be cleaned. In addition the cleaner can be used to surfaces where ArmaFinish 99 is being applied.
Remarks	Can also be used to clean tools.

TECHNICAL DATA

Technical features	
Storage & shelf life	12 months sealed in original container. Keep container tightly closed in a cool, well ventilated place. Protect from heat & direct sunlight. Do not store together with explosive substances or spontaneously combusting substances.
Preparation of surfaces	Clean surfaces and ArmaFlex surface with ArmaFlex Cleaner. Compatibility with bases: <ul style="list-style-type: none">• Very good adhesion to metallic surfaces.• The adhesive's compatibility with colour coated surfaces needs to be tested.• Incompatible with asphalt, bitumen and red lead (linseed oil-based)
Flash point	approx -20 °C
Explosion limits	Lower: approx 1% Vol, Upper: approx 13 % Vol. Regulation of inflammable liquids.
Recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. For details see relevant Safety Data Sheet. Packaging must be emptied of all residues. Cans must be emptied prior to recycling. Cans containing adhesive must be recycled into new product.
Transport classes	Dependent on the transport sector

ARMAFLEX CLEANER



Code	Description	Pices/carton
CLEANER/1.0	Special cleaner for use with ArmaFlex Adhesive	4