

Arma-Chek® R

The insulation system with extra system security that minimises the risk of corrosion under insulation (CUI)

- ▶ Extra System Security from the “Built-In Water Vapour Barrier” in the Covering
- ▶ Non-Metallic Cladding - No Risk of Galvanic Corrosion
- ▶ Highly Resilient Protection Against Mechanical Impact



Developed for offshore and heavy industrial environments, Arma-Chek R is a high density rubber based covering Armaflex that offers an exceptional resistance against salt water, mechanical impact and UV attack.

Arma-Chek R is fully weather proof with an exceptionally high water vapour resistance. Its non-metallic nature eliminates the risk of galvanic corrosion


- ▶ **Extra system security from the “inbuilt water-vapour-barrier” in the covering**
- ▶ Substantially minimises the risk of under insulation corrosion
- ▶ Provides continuous long term thermal efficiency
- ▶ No risk of galvanic corrosion
- ▶ Increasing the life expectancy of the insulation system by up to 40%*
- ▶ Reduces monitoring and maintenance by up to 60%*
- ▶ Easy application - no need for specialised machinery
- ▶ Withstands salt water (green water wash over)
- ▶ Exceptional impact resistance
- ▶ Highly resistant to UV, oil and chemicals
- ▶ Non metal cladding system - reduces health and safety risks
- ▶ Complies with international standards



* Compared to traditionally used insulation and cladding systems

Technical Data



	Values	Remarks
Material	Flexible polymeric barrier	
Max. Surface Temperature	+105° C (if based on Class O Armaflex, NH/Armaflex) +150° C (if based on HT/Armaflex)	
Max. Surface Temperature for Flat Surface	+85° C (if based on Class O Armaflex, NH/Armaflex) +130° C (if based on HT/Armaflex)	* For temperatures between -50°C and -200°C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Min. Surface Temperature	-200° C*	
Water Vapour Permeability Covering	Moisture Resistance Factor $\mu > 50,000$	
Water Vapour Permeability Insulation	No risk of Galvanic corrosion	Moisture Resistance Factor depending on the used Armaflex substrate
Resistance to	Impact Extremely Good UV Good	For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Density	1.6 kg/ltr. (± 50g)	For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Tensile Strength	5.0 MPa (± 1 MPa)	acc. to ISO 37 For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Tear Strength	5.0 - 6.5 N/mm	acc. to ISO 34a For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Elongation	Arma-Chek R Black 450 - 650% Arma-Chek R Grey 150 - 250%	acc. to ISO 37 For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Health Aspects	Dust & Fibre Free	

ARMA-CHEK R (Grey) Pre-coated Tubes



Precoated tubes (slit); one butt end of tube with a 50mm overlap of covering material;
50mm selfseal overlap of covering material on seam (longitudinal) of tube; Covering: Grey; Length: 1 metre

Copper pipe Cu			Iron pipe steel pipe Fe			25 mm Insulation Thickness								
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Class O Armaflex			NH/Armaflex			HT/Armaflex		
						Reference	m / carton		Reference	m / carton		Reference	m / carton	
1/2	5/8	15	3/8	17.2	16.0	COR-25X015-GY	25		NHR-25X015-GY	25		HTR-25X015-GY	25	
		18												
5/8	3/4				20.0	COR-25X020-GY	25							
3/4	7/8	22	1/2	21.3	22.5	COR-25X022-GY	21		NHR-25X022-GY	21		HTR-25X022-GY	18	
1	1 1/8	28	3/4	26.9	29.0	COR-25X028-GY	20		NHR-25X028-GY	20		HTR-25X028-GY	16	
1 1/4	1 3/8	35	1	33.7	35.5	COR-25X035-GY	12		NHR-25X035-GY	12		HTR-25X035-GY	12	
1 1/2	1 5/8	42	1 1/4	42.4	43.5	COR-25X042-GY	11		NHR-25X042-GY	11		HTR-25X042-GY	12	
			1 1/2	48.3	49.0	COR-25X048-GY	9		NHR-25X048-GY	9		HTR-25X048-GY	10	
2	2 1/8	54	2	60.3	61.0	COR-25X054-GY	8		NHR-25X054-GY	8		HTR-25X054-GY	9	
				60.3	61.0	COR-25X060-GY	6		NHR-25X060-GY	6		HTR-25X060-GY	9	
2 13/16	3	76.1	2 1/2	76.1	77.0	COR-25X076-GY	5		NHR-25X076-GY	5		HTR-25X076-GY	6	
			3	88.9	90.0	COR-25X089-GY	4		NHR-25X089-GY	4		HTR-25X089-GY	6	

ARMA-CHEK R (Grey) Covering on Rolls



Grey covering for the insulation materials Class O Armaflex, NH/Armaflex HT/Armaflex

Reference	Thickness mm	Width mm	Length of roll m	m ² / roll		
ACH-R20/1-07-GY	1	700	20	14		
ACH-R10/2-07-GY	2	700	10	7		

ARMA-CHEK R (Grey) Mastic



Reference	Description	Carton content	
ACH-MASTICS	Light grey sealing compound for installing Arma-Chek R grey outdoors, 290 ml	12 cartridges	

- Allowance length for tubes: ± 1.5%
- For all pre-coated tubes: Delivery quoted on request

• PRE-FABRICATED BENDS, T-PIECES & CAP ENDS!

A full range of pre-fabricated Arma-Chek R covers for bends, T-pieces and cap ends is available. For full details see either the separate product range document or call our customer service on 0044 (0)161 287 7100. Prices & delivery are quoted on request.



ARMA-CHEK R (Black) Pre-coated Tubes



Precoated tubes (slit); one butt end of tube with a 50mm overlap of covering material; 50mm selfseal overlap of covering material on seam (longitudinal) of tube; Covering: Black; Length: 1 metre

Copper pipe Cu			Iron pipe steel pipe Fe			25 mm Insulation Thickness								
						Class O Armaflex			NH/Armaflex			HT/Armaflex		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	m / carton		Reference	m / carton		Reference	m / carton	
1/2	5/8	15	3/8	17.2	16.0	COR-25X015-BK	25		NHR-25X015-BK	25		HTR-25X015-BK	25	
		18												
5/8	3/4				20.0	COR-25X020-BK	25							
3/4	7/8	22	1/2	21.3	22.5	COR-25X022-BK	21		NHR-25X022-BK	21		HTR-25X022-BK	18	
1	1 1/8	28	3/4	26.9	29.0	COR-25X028-BK	20		NHR-25X028-BK	20		HTR-25X028-BK	16	
1 1/4	1 3/8	35	1	33.7	35.5	COR-25X035-BK	12		NHR-25X035-BK	12		HTR-25X035-BK	12	
1 1/2	1 5/8	42	1 1/4	42.4	43.5	COR-25X042-BK	11		NHR-25X042-BK	11		HTR-25X042-BK	12	
			1 1/2	48.3	49.0	COR-25X048-BK	9		NHR-25X048-BK	9		HTR-25X048-BK	10	
2	2 1/8	54	2	60.3	61.0	COR-25X054-BK	8		NHR-25X054-BK	8		HTR-25X054-BK	9	
				60.3	61.0	COR-25X060-BK	6		NHR-25X060-BK	6		HTR-25X060-BK	9	
2 13/16	3	76.1	2 1/2	76.1	77.0	COR-25X076-BK	5		NHR-25X076-BK	5		HTR-25X076-BK	6	
			3	88.9	90.0	COR-25X089-BK	4		NHR-25X089-BK	4		HTR-25X089-BK	6	

ARMA-CHEK R (Black) Covering on Rolls



Black covering for the insulation materials Class O Armaflex, NH/Armaflex HT/Armaflex

Reference	Thickness mm	Width mm	Length of roll m	m ² / roll
ACH-R20/0,7	1	700	20	14

ARMA-CHEK R (Black) Mastic



Reference	Description	Carton content
ACH-MASTICD	Black sealing compound for installing Arma-Chek R outdoors, 290 ml	12 cartridges

- Allowance length for tubes: ± 1.5%
- For all pre-coated tubes: Delivery quoted on request

• PRE-FABRICATED BENDS, T-PIECES & CAP ENDS!

A full range of pre-fabricated Arma-Chek R covers for bends, T-pieces and cap ends is available. For full details see either the separate product range document or call our customer service on 0044 (0)161 287 7100. Prices & delivery are quoted on request.

