



INSTALL IT. SAFEGUARD YOUR EQUIPMENT.

Arma-Chek D

The durable pre-covered ArmaFlex system to withstand mechanical stress

- // Strongly reduces risk of damage and risk of corrosion under insulation (CUI)
- // Fast installation thanks to ready combination of insulation with covering
- // Resistant to UV, oil and chemicals



 **armacell**[®]
ArmaClad[™]

TECHNICAL DATA - ARMA-CHEK D

Brief description	Arma-Chek D is a flexible, woven glass fibre covering system for long term mechanical protection of ArmaFlex substrates.
Product colour range	Black
Product range	Arma-Chek D is available in a range of pre-covered tubes & sheets, as well as single covering.
Applications	Insulation and protection of pipes, ducts, valves and vessels of refrigeration & air conditioning equipment, clean rooms etc.
Installation	The ArmaFlex and ArmaClad Arma-Chek installation manuals should be consulted before assembly. We offer special installation courses for the application of ArmaClad Arma-Chek.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage.

Property	Value / Assessment	Standard / Test method
Temperature range		
Service temperature ^{1,2}	Min. °C	Max. °C
	-50	110
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface
Thermal conductivity		
Remarks	Depends on ArmaFlex substrate.	EN ISO 13787, EN 12667, EN ISO 8497
Fire Performance and Approvals		
Reaction to fire	Arma-Chek D (AF) E	EN 13823, EN ISO 11925-2
Resistance to water vapour		
Water vapour diffusion resistance factor	Sheets and tubes $\mu \geq 15.000$	EN 13469, EN 12086
Physical attributes		
Density	1200 kg/m ³ (covering)	
Dimensions and tolerances	In acc. with EN 14304, Table 1 (ArmaFlex substrate)	EN 822, EN 823, EN 13467
Mechanical properties		
Resistance to mechanical impact	Good	
Weather and UV resistance		
UV resistance ³	Excellent	EN ISO 4892-2
Health and environment		
Health aspects	Dust- and fibre-free.	
Other technical features		
Shelf life	Tape, sheets, tubes, self-adhesive: 1 year	
Storage	To be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temp. (0°C–35°C).	

¹When there are fluctuations in temperature, the surface may wrinkle slightly, as elastomeric products expand and contract in these circumstances. However, these superficial changes do not have any impact on the performance of the material. The wrinkles usually disappear as soon as the plant is heated to its original operating temperature.

²For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

³In outdoor applications the colour may fade. This does not have any impact on the functionality of the covering or the insulation material.

Tube – precovered and self-seal. Black. Length: 1.0m

AF-2 (insulation thickness: 11.5mm - 16.0mm)				AF-4 (insulation thickness: 17.0mm - 25.0mm)				AF-5 (insulation thickness: 25.0mm - 33.0mm)			
Pipe Ø [mm]	Item	Insulation thickness [mm]	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Content [metric]
15	AFD-2-015	11.5	65 m	15	AFD-4-015	17.0	44 m	18	AFD-5-018	25.0	21 m
18	AFD-2-018	11.5	60 m	18	AFD-4-018	17.5	35 m	22	AFD-5-022	25.0	18 m
22	AFD-2-022	12.0	50 m	22	AFD-4-022	18.0	30 m	28	AFD-5-028	25.0	18 m
28	AFD-2-028	12.5	42 m	28	AFD-4-028	19.0	24 m	35	AFD-5-035	27.0	12 m
35	AFD-2-035	13.0	31 m	35	AFD-4-035	19.5	18 m	42	AFD-5-042	27.0	11 m
42	AFD-2-042	13.5	24 m	42	AFD-4-042	20.5	16 m	48	AFD-5-048	27.5	8 m
48	AFD-2-048	13.5	22 m	48	AFD-4-048	21.0	12 m	54	AFD-5-054	28.5	8 m
54	AFD-2-054	13.5	18 m	54	AFD-4-054	21.0	12 m	60	AFD-5-060	29.0	6 m
60	AFD-2-060	14.0	16 m	60	AFD-4-060	21.5	10 m	76	AFD-5-076	30.0	5 m
76	AFD-2-076	14.0	14 m	76	AFD-4-076	22.0	8 m	89	AFD-5-089	30.5	4 m
89	AFD-2-089	14.5	11 m	89	AFD-4-089	22.5	6 m	114	AFD-5-114	31.5	3 m
114	AFD-2-114	15.0	8 m	114	AFD-4-114	23.5	5 m	-	-	-	-

Other information

Length tolerance ± 1.5 %

Remarks No self-seal fastening at the longitudinal seam.

Sheet – precovered. Length: 2.0m

Item	Insulation thickness [mm]	Width (m)	Length [m]	Content [metric]
AFD-13MM	13	0.5	2.0	9 m ²
AFD-13MM-W	13	1.0	2.0	24 m ²
AFD-19MM	19	0.5	2.0	7 m ²
AFD-19MM-W	19	1.0	2.0	16 m ²
AFD-25MM	25	0.5	2.0	5 m ²
AFD-25MM-W	25	1.0	2.0	12 m ²

Other information

Thickness tolerance
 ≤ 6 mm: ±1,0 mm
 7 -19 mm: ±1,5 mm
 > 19 mm: ±2,0 mm

Length tolerance ± 1,5 %

Covering. Woven glass fibre

Item	Width [mm]	Length [m]	Content [metric]	Content [quantity]
ACH-D25	1,100	25	27.5 m ²	1 roll
ACH-D25/100	100	25	7.5 m ²	3 roll

Accessories. For Arma-Chek D

Item	Description	Content [quantity]
ACH-MASTICD	Black mastic. Sealing compound for installing Arma-Chek outdoors. 290 ml per piece.	12 piece
ACH-TOOL	Tooling to closure foils	1 piece

Tape – self-adhesive. Woven glass fibre

Item	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
ACH-TAPED2025	0.18	20	25	12 roll
ACH-TAPED5050	0.18	50	50	6 roll
ACH-TAPED10025	0.18	100	25	3 roll

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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

For more information, please visit:
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