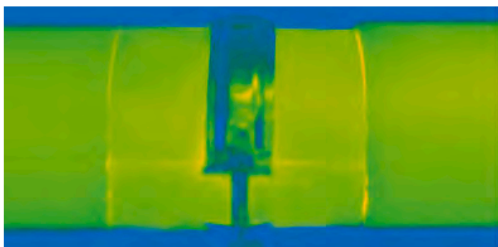
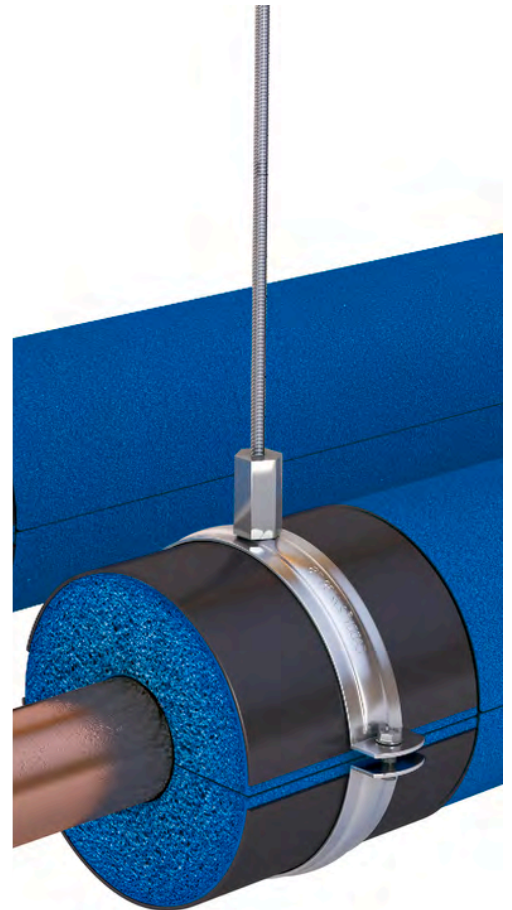


INSTALL IT. TRUST IT.

# ArmaFix Ultima

The only pipe support for B-s1, d0  
ArmaFlex systems with low smoke  
requirements

- // Increased safety through superior fire performance and reduced smoke density
- // Fully matching the ArmaFlex Ultima product range
- // Prevents thermal bridges and reduces energy losses and minimises CO<sub>2</sub> emissions
- // First flexible closed-cell insulation with Euroclass B(L)-s1,d0



 **armacell**<sup>®</sup>  
ArmaFix<sup>™</sup>

INSTALL IT. TRUST IT.

# ArmaFlex Ultima

- ✓  
FIRE  
SAFETY
- ✓  
ENERGY  
EFFICIENCY
- ✓  
CONDENSATION  
CONTROL
- ✓  
INDOOR  
AIR QUALITY
- ✓  
LONG-TERM  
SAFE OPERATION

With ArmaFlex Ultima we have set a new safety standard in technical insulation. Based on the patented ArmaPrene® technology, we now offer a complete range of B/B<sub>L</sub>-s1,d0 classified tubes and sheets.

**In comparison to a standard elastomeric product, the flame-resistant insulation material develops 10 times less smoke and offers increased safety in the event of a fire.**

Benefit  
from our  
**10 years**  
warranty on  
ArmaFlex Ultima

## ULTRA-LOW SMOKE PROPERTIES

As smoke is a significant risk in a fire, smoke density requirements for equipment insulation materials are becoming stricter. When assessing the fire behaviour of building products, the European fire classification not only tests the flammability, but also the smoke density and the production of burning droplets. By reducing the smoke density, ArmaFlex Ultima improves visibility and respiration, thus extending the time available to evacuate safer in the event of a fire.

## RELIABLE THERMAL AND CONDENSATION CONTROL

Thanks to its good thermal conductivity and high resistance to water vapour diffusion, the closed-cell ArmaFlex Ultima ensures reliable condensation control and high energy savings in the long-term. This also minimises the risk of corrosion under insulation (CUI) and reduces the risk of costs associated with downtime, lost productivity, or even facility shutdown. ArmaFlex Ultima can be installed on mechanical equipment with service temperatures between +110 °C and -50 °C (-200 °C)\*. It is FM-approved and IMO-certified.

\*Please contact our Technical Customer Service for cryogenic applications

# ARMAPRENE

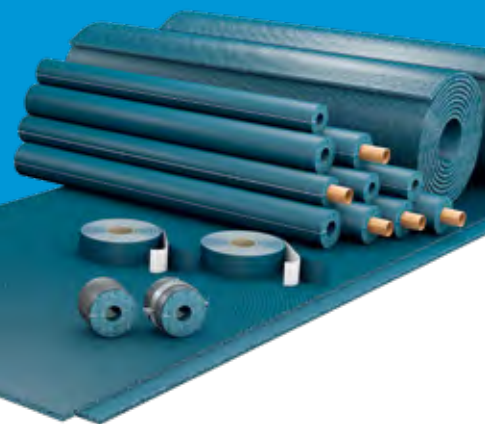
Our patented ArmaPrene technology offers the highest fire standard in flexible insulation.

While standard elastomeric products with brominated flame retardants inhibit combustion very effectively in the event of a fire, they tend to produce a high level of smoke. Our breakthrough ArmaPrene technology resolves this conflict: due to the development of intrinsically flame-resistant polymers and by using ablative protective additives it is no longer necessary to add any brominated flame retardants.

ArmaFlex saves

**140**

times more energy  
than is needed for  
its production



## SYSTEM SOLUTION FOR MAXIMUM RELIABILITY



ArmaFix Ultima pipe support thermally isolates the pipe and its fixing from each

other and, together with the adjoining ArmaFlex Ultima insulation, forms a long-term reliable insulation system. For the installation of ArmaFlex Ultima, we offer a range of specially formulated adhesives, including a solvent-free product which is predestined for sustainable construction projects realised according to LEED®, BREEAM, DGNB or national green building schemes.

## ARMAFLEX ULTIMA C

With our new ArmaFlex Ultima C, we now offer insulation sheets meeting the highest fire classification for flexible technical insulation. This pre-covered insulation solution achieves Euroclass B-s1,d0 and is engineered for installation on airducts, large pipe diameters, vessels and tanks where an improved fire performance is required. The sheets provide a high level of protection against mechanical impact and are easy to clean. The covering reinforces the vapour barrier resistance creating a safer system to prevent condensation and energy losses in the long term. What's more, the dark-grey surface is highly absorptive and thinner insulation thicknesses can be installed to control condensation.



## APPROVED FOR GREEN BUILDING

ArmaFlex Ultima meets the most stringent environmental requirements and saves specifiers time by being accredited in the most important green building schemes.

SUNDAHUS  
NORDIC SWAN ECOLABEL  
BYGGVARUBEDÖMNINGEN  
MINERGIE-ECO  
LEED | BREEAM | DGNB

Bromine-free  
Antimony-free  
PVC-free

## TECHNICAL DATA - ARMAFIX ULTIMA

Brief description	Pipe and duct support for refrigeration and air-conditioning installations to prevent condensation at fixing points. Thermally non-interacting single piece, with 2 ArmaFORM PET foam sections and with self-adhesive closure. All dimensions are matching the ArmaFlex Ultima range.
Material type	PET-foam bearing segments, embedded in and glued to ArmaFlex Ultima elastomeric foam material. Outside bearing shells made of painted aluminium sheeting 0.8mm thick, which simultaneously serves as a vapour barrier for the PET bearing segments.
Product colour range	Dark blue
Special features	Traces of silicone can be found on the protection paper / foil used to protect self-adhesive closures.
Applications	When used in installations with intermittent temperatures, thermal length extensions may cause inherent pressure in the installation; this needs to be considered in the overall insulation construction.

Property	Value / Assessment	Standard / Test method
<b>Temperature range</b>		
Service temperature	Min. °C <sup>1</sup> -50	Max. °C 110
		EN 14706, EN 14707, EN 14304
<b>Thermal conductivity</b>		
Remarks	Same as ArmaFlex Ultima	EN ISO 13787, EN 12667, EN ISO 8497
<b>Fire Performance and Approvals</b>		
Reaction to fire	Euroclass: E Entire system with ArmaFlex Ultima tubes: B(L)-s1, d0 Entire system with ArmaFlex Ultima sheets: B-s2, d0	EN 13501-1, EN 13823, EN ISO 11925-2
Surface flammability <sup>2</sup>	low-flammable - 2010 FTP-Code (MED 96/98/EC, Module D)	IMO 2010 FTP Code, Part 5
<b>Fire performance</b>		
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames	
<b>Resistance to water vapour</b>		
Water vapour diffusion resistance factor	Same as ArmaFlex Ultima	EN 12086, EN 13469
<b>Physical attributes</b>		
Density	95 - 105 kg/m <sup>3</sup> (pipe bearing segments)	
<b>Health and environment</b>		
Additional features	MCCP-free	
<b>Other technical features</b>		
Shelf life	3 years	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

<sup>1</sup>For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

<sup>2</sup>According to IMO 2010 FTP Code annex 2, clause 2.2 a fire technical test for smoke density and toxicity is not necessary.

## Duct support

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [quantity]
AS-DB-19 MM	19	100	2	7612207453850	5 piece
AS-DB-25 MM	25	100	2	7612207453867	4 piece

## Pipe support – donut type

13 mm						Related pipe clamp		
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Insulation thickness [mm]	EAN	Content [quantity]	Item	Content [quantity]
10	12	2,00	UDP13(9)-10/12	13	7612207415025	32 piece	-	-
15	18	2,00	UDP13(9)-15/18	13	7612207415032	32 piece	-	-
22	25	2,75	UDP13(9)-22/25	13	7612207415049	32 piece	PCX 033/037	25 piece
28	30	3,00	UDP13(9)-28/30	13	7612207415001	32 piece	PCX 047/052	25 piece
35	38	2,00	UDP13(9)-35/38	13	7612207415018	28 piece	PCX 054/058	25 piece
42	45	3,75	UDP13(9)-42/45	13	7612207414950	28 piece	PCX 063/068	25 piece
48		4,25	UDP13(9)-48	13	7612207414967	28 piece	PCX 068/073	10 piece
54	57	4,25	UDP13(9)-54/57	13	7612207414974	28 piece	PCX 068/073	10 piece
60	64	4,75	UDP13(9)-60/64	13	7612207414981	24 piece	PCX 082/085	10 piece
76	80	5,50	UDP13(9)-76/80	13	7612207414998	20 piece	PCX 092/099	10 piece
89		6,00	UDP13(9)-89	13	7612207414943	16 piece	PCX 108/112	10 piece
102	108	6,00	UDP13(9)-102/108	13	7612207414936	16 piece	PCX 125/130	10 piece
110	114	6,00	UDP13(9)-110/114	13	7612207414899	12 piece	PCX 133/137	10 piece
125		6,00	UDP13(9)-125	13	7612207414905	12 piece	PCX 145/152	10 piece
133	140	6,00	UDP13(9)-133/140	13	7612207414912	12 piece	PCX 145/152	10 piece
160		6,00	UDP13(9)-160	13	7612207414837	9 piece	PCX 190	10 piece
165	168	6,00	UDP13(9)-165/168	13	7612207414844	9 piece	PCX 199	10 piece

## Pipe support – donut type

19 mm						Related pipe clamp		
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Insulation thickness [mm]	EAN	Content [quantity]	Item	Content [quantity]
10	12	2,00	UDP19-10/12	19	7612207414851	28 piece	PCX 038/041	25 piece
15	18	2,00	UDP19-15/18	19	7612207414868	28 piece	PCX 047/052	25 piece
22	25	2,75	UDP19-22/25	19	7612207414875	28 piece	PCX 054/058	25 piece
28	30	3,00	UDP19-28/30	19	7612207414882	28 piece	PCX 059/063	25 piece
35	38	3,50	UDP19-35/38	19	7612207414691	24 piece	PCX 063/068	25 piece
42	45	3,75	UDP19-42/45	19	7612207414707	24 piece	PCX 068/073	10 piece
48		4,25	UDP19-48	19	7612207414714	24 piece	PCX 072/080	10 piece
54	57	4,25	UDP19-54/57	19	7612207414653	24 piece	PCX 082/085	10 piece
60	64	4,75	UDP19-60/64	19	7612207414660	20 piece	PCX 088/092	10 piece
76	80	5,50	UDP19-76/80	19	7612207414721	16 piece	PCX 099/103	10 piece
89		6,00	UDP19-89	19	7612207414738	12 piece	PCX 112/118	10 piece
102	108	6,00	UDP19-102/108	19	7612207414677	12 piece	PCX 133/137	10 piece
110	114	6,00	UDP19-110/114	19	7612207414684	12 piece	PCX 137/142	10 piece

## Pipe support – donut type

19 mm							Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Insulation thickness [mm]	EAN	Content [quantity]	Item	Content [quantity]
133	140	6,00	UDP19-133/140	19	7612207414776	12 piece	PCX 164/169	10 piece
165	168	6,00	UDP19-165/168	19	7612207414790	6 piece	PCX 206	10 piece
180		6,00	UDP19-180	19	7612207414806	3 piece	-	-
204		6,00	UDP19-204	19	7612207414813	4 piece	-	-
216	219	6,00	UDP19-216/219	19	7612207414820	4 piece	-	-
254		6,00	UDP19-254	19	7612207414752	3 piece	-	-
267	273	6,00	UDP19-267/273	19	7612207414769	3 piece	-	-
356		4,20	UDP19-356	19	7612207414561	6 piece	-	-

## Pipe support – donut type

25 mm							Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Insulation thickness [mm]	EAN	Content [quantity]	Item	Content [quantity]
15	18	2,00	UDP25-15/18	25	7612207414578	28 piece	PCX 059/063	25 piece
22	25	2,75	UDP25-22/25	25	7612207414585	28 piece	PCX 063/068	25 piece
28	30	3,00	UDP25-28/30	25	7612207414615	28 piece	PCX 068/073	10 piece
34	38	3,50	UDP25-35/38	25	7612207414622	24 piece	PCX 072/080	10 piece
42	45	3,75	UDP25-42/45	25	7612207414592	24 piece	PCX 082/085	10 piece
48		4,25	UDP25-48	25	7612207414608	24 piece	PCX 088/092	10 piece
54	57	4,75	UDP25-54/57	25	7612207414639	24 piece	PCX 092/099	10 piece
60	64	4,75	UDP25-60/64	25	7612207414646	20 piece	PCX 099/103	10 piece
76	80	5,50	UDP25-76/80	25	7612207414516	16 piece	PCX 112/118	10 piece
89		6,00	UDP25-89	25	7612207414509	12 piece	PCX 137/142	10 piece
110	114	6,00	UDP25-110/114	25	7612207414523	12 piece	PCX 159/164	10 piece
133	140	6,00	UDP25-133/140	25	7612207414530	12 piece	PCX 190	10 piece
160		6,00	UDP25-160	25	7612207414486	6 piece	PCX 206	10 piece
165	168	6,00	UDP25-165/168	25	7612207414493	6 piece	PCX 222	10 piece
204		6,00	UDP25-204	25	7612207414554	4 piece	-	-
216	219	6,00	UDP25-216/219	25	7612207414431	4 piece	-	-
254		6,00	UDP25-254	25	7612207414479	3 piece	-	-
267	273	6,00	UDP25-267/273	25	7612207414455	3 piece	-	-
306		6,00	UDP25-306	25	7612207414462	1 piece	-	-
324		4,20	UDP25-324	25	7612207414387	1 piece	-	-
356		4,20	UDP25-356	25	7612207414394	3 piece	-	-
406		4,20	UDP25-406	25	7612207414400	6 piece	-	-
457		3,70	UDP25-457	25	7612207414417	4 piece	-	-

## Pipe support – donut type

32 mm						Related pipe clamp	
Pipe Ø [mm]	Maximum permissible distance [m]	Item	Insulation thickness [mm]	EAN	Content [quantity]	Item	Content [quantity]
12	2,00	UDP32-10/12	32	7612207533552	20 piece	PCX 068/073	10 piece
18	2,00	UDP32-15/18	32	7612207533569	20 piece	PCX 072/080	10 piece
22	2,75	UDP32-22/25	32	7612207533576	20 piece	PCX 072/080	10 piece
28	3,00	UDP32-28/30	32	7612207533583	20 piece	PCX 082/085	10 piece
35	3,50	UDP32-35/38	32	7612207533736	16 piece	PCX 092/099	10 piece
42	3,75	UDP32-42/45	32	7612207533590	16 piece	PCX 099/103	10 piece
48	4,25	UDP32-48	32	7612207533606	16 piece	PCX 099/103	10 piece
60	4,75	UDP32-60/64	32	7612207533651	12 piece	PCX 112/118	10 piece
76	5,50	UDP32-76/80	32	7612207533613	12 piece	PCX 133/137	10 piece
89	6,00	UDP32-89	32	7612207533620	12 piece	PCX 145/152	10 piece
114	6,00	UDP32-110/114	32	7612207533637	12 piece	PCX 168/173	10 piece
140	6,00	UDP32-133/140	32	7612207529180	8 piece	PCX 199	10 piece
168	6,00	UDP32-165/168	32	7612207533668	5 piece	PCX 231	10 piece