

AEROFOAM[®] - XLPE N CLAD



*Cross-Linked Closed Cell
Polyolefin Thermal Insulation Foam
for Indoor & Outdoor Applications*



ASTM E84

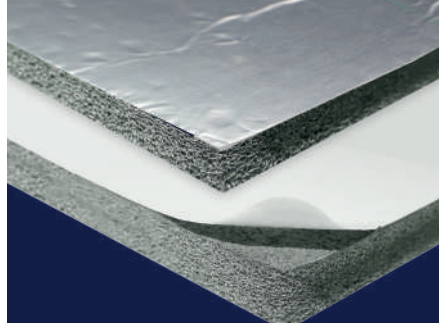
CLASS 0

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AEROFOAM® XLPE N CLAD TUBES & SHEETS

Aerofoam® XLPE N Clad is your 2-in-1 innovative solution offering energy savings combined with reliable weathering protection and it can be used in specific applications such as pharmaceutical, food and beverages, healthcare, data centers, industrial and marine.

Aerofoam® XLPE N Clad is easy to install and offers time savings of more than 50% compared to non-factory applied jacketing systems such as metal sheets or painted canvas cloths.



FEATURES

-  Excellent thermal efficiency
-  High mechanical strength & durability
-  Suitable for cooling & heating systems
-  UV & weather resistant
-  Suitable for application in coastal areas
-  Chemical resistant
-  Resistant to mold & mildew growth
-  Resistant to bacteria growth
-  Environmental friendly foam
-  Ozone resistant
-  No corrosion risk
-  No additional coating needed

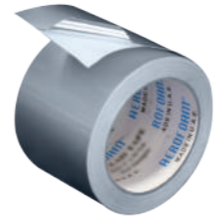
APPLICATIONS



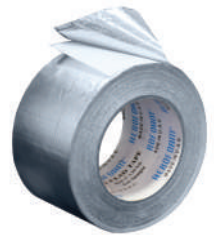
AEROFOAM® TAPES



Aerofoam® XLPE Foam Tape



Aerofoam® Aluminum/Alupet Tape

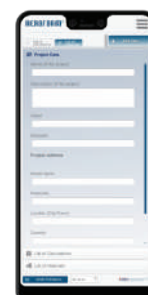


Aerofoam® N Clad Tape

AEROCALC

AEROCALC software is an excellent tool for calculating the most optimal thicknesses of insulation. Available as **Desktop**, **iOS** and **Android** applications.

Visit our website: aerofoam.co.in



Scan the QR code to download the Desktop app.



AEROFOAM® XLPE N CLAD TUBES - SIZE RANGE

Pipe Size		Thickness							
Inch	mm	9 mm	13 mm	15 mm	19 mm	25 mm	32 mm	40 mm	50 mm
	6	6x9	6x13	6x15	6x19				
	9	9x9	9x13	9x15	9x19				
	12	12x9	12x13	12x15	12x19				
	16	16x9	16x13	16x15	16x19	16x25	16x32		
	19	19x9	19x13	19x15	19x19	19x25	19x32	19x40	
	20	20x9	20x13	20x15	20x19	20x25	20x32	20x40	
1/2"	22	22x9	22x13	22x15	22x19	22x25	22x32	22x40	
	25	25x9	25x13	25x15	25x19	25x25	25x32	25x40	
3/4"	28	28x9	28x13	28x15	28x19	28x25	28x32	28x40	
	32	32x9	32x13	32x15	32x19	32x25	32x32	32x40	32x50
1"	35	35x9	35x13	35x15	35x19	35x25	35x32	35x40	35x50
	40	40x9	40x13	40x15	40x19	40x25	40x32	40x40	40x50
1-1/4"	43	43x9	43x13	43x15	43x19	43x25	43x32	43x40	43x50
1-1/2"	50	50x9	50x13	50x15	50x19	50x25	50x32	50x40	50x50
2"	60	60x9	60x13	60x15	60x19	60x25	60x32	60x40	60x50
	75	75x9	75x13	75x15	75x19	75x25	75x32	75x40	75x50
2-1/2"	77	77x9	77x13	77x15	77x19	77x25	77x32	77x40	77x50
3"	90	90x9	90x13	90x15	90x19	90x25	90x32	90x40	90x50
	110	110x9	110x13	110x15	110x19	110x25	110x32	110x40	110x50
4"	115	115x9	115x13	115x15	115x19	115x25	115x32	115x40	115x50
	125	125x9	125x13	125x15	125x19	125x25	125x32	125x40	125x50
5"	140				140x19	140x25	140x32	140x40	140x50
	160				160x19	160x25	160x32	160x40	160x50
6"	166				166x19	166x25	166x32	166x40	166x50
8"	220				220x19	220x25	220x32	220x40	220x50
10"	273				273x19	273x25	273x32	273x40	273x50
12"	323				323x19	323x25	323x32	323x40	323x50
14"	356				356x19	356x25	356x32	356x40	356x50
16"	406				406x19	406x25	406x32	406x40	406x50
18"	457				457x19	457x25	457x32	457x40	457x50

Note: If the outer diameter of metal or plastic pipe is not in the list, please send us a sample of the pipe for customized product.

AEROFOAM® XLPE N CLAD SHEETS - SIZE RANGE

	Thickness (mm)	Thickness (inches)	Size
Aerofoam® XLPE N Clad Sheets with or without self adhesive	9, 13, 15, 16, 25, 32, 40, 50	1/2", 5/8", 3/4", 1", 1-1/4", 1-3/8", 1-1/2", 2"	1.2mx2.4m

Tolerances - Sheets

Thickness	Thickness tolerance	Length and width tolerance
<25 mm	±1.5 mm	±20 mm
≥25 mm	-2 mm, +3.5 mm	

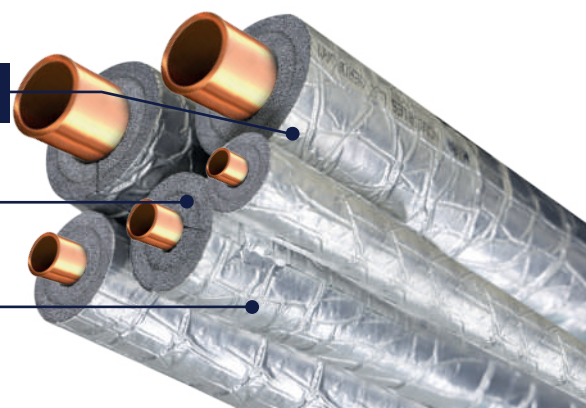
Tolerances - Tubes (foam core only)

Pipe Section Length	<6": 1.5 meters
	>6": 1.2 meters
Thickness	10-25mm = ±1.5 mm
	25-50 mm = -2 mm, +3.5 mm
Length	±1.5 cm ID: 6-50 mm = ±1.5 mm
	50 mm up = ±2.5 mm
ID	6-50 mm: -1 mm/+2.5 mm
	<50 mm: -1 mm/+5 mm

High mechanical strength & durability

Excellent thermal performance

UV & weather resistant foil



TECHNICAL DATA

Description: Flexible cross-linked closed cell polyolefin thermal insulation foam with factory applied durable foil for indoor and outdoor applications for mechanical and weather protection, mainly designed to control condensation and energy losses.

Property	Value/ Assessment	Tested acc. to:
Thermal conductivity (at 23 °C)	0.031 W/m·K	ASTM C518
Temperature range Max. line temperature Min. line temperature	+100 °C (+80 °C with PSA*) -80 °C (-30 °C with PSA*)	ASTM C1427
Density of foam core	25±3 kg/m ³	
Water vapor transmission	0.07 g/m ² /h	ASTM E96
Water absorption	0.0026 g/cm ²	JIS K 6767
Reaction to fire	FSI <25, SDI <50	ASTM E84
	Class 0	BS 476 Part 6 & 7
UV ageing (UV resistance)	Excellent	ASTM G155
Tensile strength	>850 N	ASTM D751
Tear strength	>120 N	ASTM D751
Puncture resistance	>890 N	ASTM D4833
Resistance to fungi	Zero growth	ASTM G21
Environment friendly Ozone Depletion Potential (ODP) Global Warming Potential (GWP) CFC& HCFC, dust, fibers & asbestos	0 <5 Free	
Storage life <i>Can be stored for 24 months (12 months with PSA*) from manufacturing date in a dry, dust free room at normal humidity and ambient temperature.</i>		

*PSA - Pressure Sensitive Adhesive

Disclaimer: This information on Hira Technologies products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.

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