

AEROFOAM[®] - XLPE N CLAD



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



ASTM E84

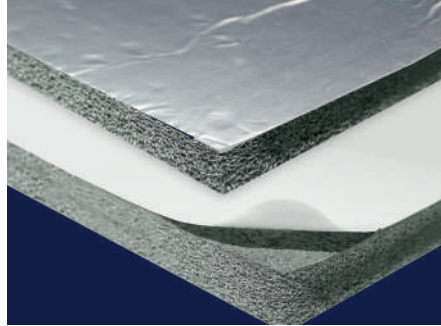
CLASS 0

www.aerofoam.co.in













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

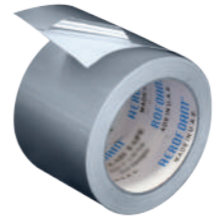
APPLICATIONS



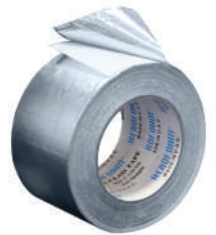
AEROFOAM® TAPES



Aerofoam® XLPE Foam Tape



Aerofoam® Aluminum/Alupet Tape

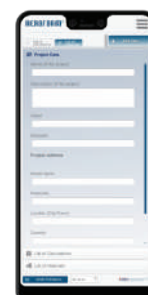


Aerofoam® N Clad Tape

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	10 mm	12 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
	6	6x10	6x12	6x15	6x20				
	9	9x10	9x12	9x15	9x20				
	12	12x10	12x12	12x15	12x20				
	16	16x10	16x12	16x15	16x20	16x25	16x30		
	19	19x10	19x12	19x15	19x20	19x25	19x30	19x40	
	20	20x10	20x12	20x15	20x20	20x25	20x30	20x40	
1/2"	22	22x10	22x12	22x15	22x20	22x25	22x30	22x40	
	25	25x10	25x12	25x15	25x20	25x25	25x30	25x40	
3/4"	28	28x10	28x12	28x15	28x20	28x25	28x30	28x40	
	32	32x10	32x12	32x15	32x20	32x25	32x30	32x40	32x50
1"	35	35x10	35x12	35x15	35x20	35x25	35x30	35x40	35x50
	40	40x10	40x12	40x15	40x20	40x25	40x30	40x40	40x50
1-1/4"	43	43x10	43x12	43x15	43x20	43x25	43x30	43x40	43x50
1-1/2"	50	50x10	50x12	50x15	50x20	50x25	50x30	50x40	50x50
2"	60	60x10	60x12	60x15	60x20	60x25	60x30	60x40	60x50
	75	75x10	75x12	75x15	75x20	75x25	75x30	75x40	75x50
2-1/2"	77	77x10	77x12	77x15	77x20	77x25	77x30	77x40	77x50
3"	90	90x10	90x12	90x15	90x20	90x25	90x30	90x40	90x50
	110	110x10	110x12	110x15	110x20	110x25	110x30	110x40	110x50
4"	115	115x10	115x12	115x15	115x20	115x25	115x30	115x40	115x50
	125	125x10	125x12	125x15	125x20	125x25	125x30	125x40	125x50
5"	140				140x20	140x25	140x30	140x40	140x50
	160				160x20	160x25	160x30	160x40	160x50
6"	166				166x20	166x25	166x30	166x40	166x50
8"	220				220x20	220x25	220x30	220x40	220x50
10"	273				273x20	273x25	273x30	273x40	273x50
12"	323				323x20	323x25	323x30	323x40	323x50
14"	356				356x20	356x25	356x30	356x40	356x50
16"	406				406x20	406x25	406x30	406x40	406x50
18"	457				457x20	457x25	457x30	457x40	457x50

Other diameters up to 40" are also available upon special request.

Pipe section length: < 6": 1.5 meters; ≥ 6": 1.2 meters; Thickness Tolerance: 10-25 mm (±1.5 mm), 25-50 mm (-2 mm +3.5 mm); Length: ±1.5 cm ID : 6-50 mm (±1.5 mm), 50 mm (±2.5 mm)

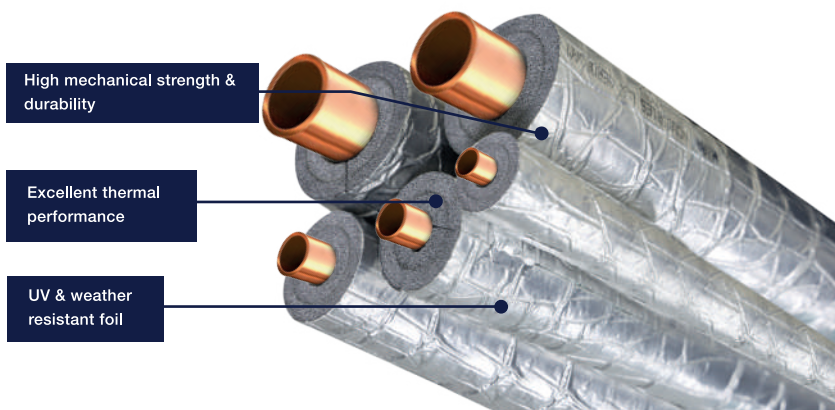
Note: If the outer diameter of metal or plastic pipe is not in the list, please send us a sample of the pipe for customized product.

AEROFOAM® XLPE N CLAD SHEETS - SIZE RANGE

	Thickness (mm)	Thickness (inches)	Size
Aerofoam® XLPE N Clad Sheets with or without self adhesive	12, 15, 20, 25, 30, 35, 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



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.

Hira Technologies Private Limited

Plot I-02 (Part - II) Khed City Zone - DTA
Kanhersar, Khed, Pune - 410 505.

Hira WLL

P.O Box 31179, Doha, Qatar.
☎ +974 4467 4779 | 📠 +974 4467 3514

✉ enquiry@hiraqatar.com 🌐 www.aerofoam.co.in

