

AEROFOAM[®] -NBR CLAD



*Flexible Closed Cell
Elastomeric Thermal Insulation Foam
for Indoor & Outdoor Applications*



ASTM E84

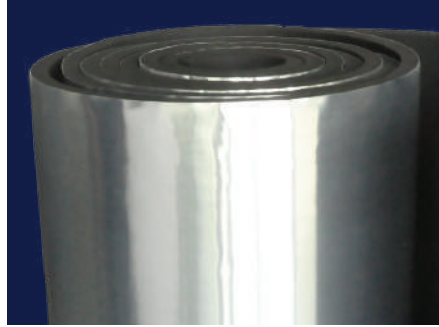
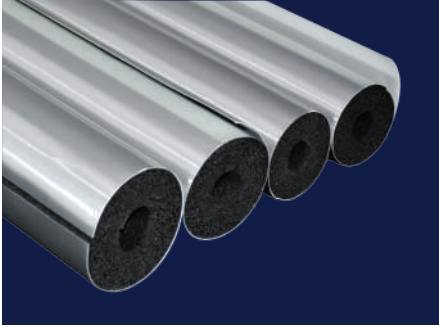
CLASS 0

 www.aerofoam.co.in

AEROFOAM® NBR CLAD TUBES & ROLLS

Aerofoam® NBR 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® NBR Clad is easy to install and offers time savings of more than 50% compared to non-factory applied jacketing systems.



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



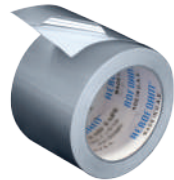
AEROFOAM® TAPE



Aerofoam® N Clad Tape



Aerofoam® XLPE Foam Tape



Aerofoam® Aluminum/Alupet Tape

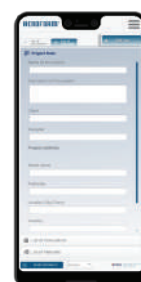
AEROFOAM® GLUE



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: www.aerofoam.co.in



Scan the QR code to download the Desktop app.



AEROFOAM® NBR CLAD TUBES - SIZE RANGE

Thickness		13 mm (1/2")		19 mm (3/4")		25 mm (1")		32 mm (1-1/4")	
Inch	mm	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box
1/4"	6			NBRT19x6/CL	40				
3/8"	9			NBRT19x9/CL	35				
1/2"	13			NBRT19x13/CL	35	NBRT25x13/CL	20		
5/8"	16			NBRT19x16/CL	30	NBRT25x16/CL	20	NBRT32x16/CL	15
3/4"	19	NBRT13x19/CL	40	NBRT19x19/CL	25	NBRT25x19/CL	20	NBRT32x19/CL	15
7/8"	22	NBRT13x22/CL	35	NBRT19x22/CL	25	NBRT25x22/CL	20	NBRT32x22/CL	10
1"	25	NBRT13x25/CL	35	NBRT19x25/CL	20	NBRT25x25/CL	15	NBRT32x25/CL	10
1 -1/8"	28	NBRT13x28/CL	30	NBRT19x28/CL	20	NBRT25x28/CL	15	NBRT32x28/CL	10
1 -1/4"	32	NBRT13x32/CL	25	NBRT19x32/CL	20	NBRT25x32/CL	15	NBRT32x32/CL	10
1 -3/8"	35	NBRT13x35/CL	25	NBRT19x35/CL	20	NBRT25x35/CL	15	NBRT32x35/CL	10
1 -1/2"	38	NBRT13x38/CL	20	NBRT19x38/CL	15	NBRT25x38/CL	12	NBRT32x38/CL	10
1 -5/8"	42	NBRT13x42/CL	20	NBRT19x42/CL	15	NBRT25x42/CL	12	NBRT32x42/CL	10
1 -7/8"	48	NBRT13x48/CL	20	NBRT19x48/CL	15	NBRT25x48/CL	10	NBRT32x48/CL	8
2"	51	NBRT13x51/CL	15	NBRT19x51/CL	15	NBRT25x51/CL	9	NBRT32x51/CL	8
2 -1/8"	54	NBRT13x54/CL	15	NBRT19x54/CL	15	NBRT25x54/CL	9	NBRT32x54/CL	8
2 -3/8"	60	NBRT13x60/CL	15	NBRT19x60/CL	12	NBRT25x60/CL	9	NBRT32x60/CL	6
2 -1/2"	63	NBRT13x63/CL	15	NBRT19x63/CL	12	NBRT25x63/CL	9	NBRT32x63/CL	6
2 -5/8"	67	NBRT13x67/CL	15	NBRT19x67/CL	10	NBRT25x67/CL	8	NBRT32x67/CL	5
2 -7/8"	73	NBRT13x73/CL	12	NBRT19x73/CL	10	NBRT25x73/CL	6	NBRT32x73/CL	4
3"	76	NBRT13x76/CL	12	NBRT19x76/CL	10	NBRT25x76/CL	6	NBRT32x76/CL	4
3 -1/8"	79	NBRT13x79/CL	12	NBRT19x79/CL	10	NBRT25x79/CL	6	NBRT32x79/CL	4
3 -1/2"	89	NBRT13x89/CL	10	NBRT19x89/CL	8	NBRT25x89/CL	6	NBRT32x89/CL	4
3 -5/8"	92			NBRT19x92/CL	6	NBRT25x92/CL	6	NBRT32x92/CL	4
4"	102			NBRT19x102/CL	6	NBRT25x102/CL	4	NBRT32x102/CL	3
4 -1/8"	105			NBRT19x105/CL	6	NBRT25x105/CL	4	NBRT32x105/CL	3
4 -1/4"	110			NBRT19x110/CL	6	NBRT25x110/CL	4	NBRT32x110/CL	3
4 -1/2"	114			NBRT19x114/CL	6	NBRT25x114/CL	3	NBRT32x114/CL	3

Note: Available length of tubes 1 m. Aerofoam® NBR Clad tubes are packed in carton box.

AEROFOAM® NBR CLAD ROLLS & SHEETS - SIZE RANGE

THK. Inch	THK. Inch	NBR Clad Rolls			NBR Clad Sheets		
		W x L mtr	Item code	Pcs /Box	W x L mtr	Item code	Pcs /Box
1/4"	6	1x30	NBRR6x1x30/CL	1	1x1	NBRS6x1000x1000/CL	30
3/8"	9	1x20	NBRR9x1x20/CL	1	1x1	NBRS9x1000x1000/CL	20
1/2"	13	1x14	NBRR13x1x14/CL	1	1x1	NBRS13x1000x1000/CL	15
5/8"	16	1x12	NBRR16x1x12/CL	1	1x1	NBRS16x1000x1000/CL	12
3/4"	19	1x10	NBRR19x1x10/CL	1	1x1	NBRS19x1000x1000/CL	10
1"	25	1x8	NBRR25x1x8/CL	1	1x1	NBRS25x1000x1000/CL	8
1-1/4"	32	1x6	NBRR32x1x6/CL	1	1x1	NBRS32x1000x1000/CL	6
1-1/2"	40	1x4	NBRR40x1x4/CL	1	1x1	NBRS40x1000x1000/CL	4
2"	50	1x4	NBRR50x1x4/CL	1	1x1	NBRS50x1000x1000/CL	4

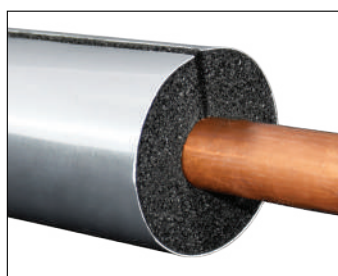
Note: Aerofoam® NBR Clad Rolls and Sheets are packed in carton box.

Tolerances - Tubes (foam core only)		
Internal Diameter (ID)	Target	Target Tolerance
	ID + 1 mm	-1 mm, +4 mm (for ID ≤100 mm)
		-1 mm, +6 mm (for ID >100 mm)
Thickness	≤6 -16 mm: ±1.5 mm	
	19-25 mm : ±2.5 mm	
	≥32 mm ±3 mm	
Length	±1.5%	

Tolerances Rolls and Sheets			
Thickness	Thickness Tolerance	Length Tolerance	Width Tolerance
6-25 mm	± 2 mm	±1.5%	-20 mm +40 mm
32-50 mm	± 3 mm		

Accessories
Aerofoam® N Clad Tape
Aerofoam® NBR Glue

Aerofoam® NBR Clad system is also available as **pre-slit tubes** and **pre-slit with self adhesive Lap Seal**. Installation is easy, fast and efficient.



Aerofoam® NBR Clad Pre-slit Tubes with Lap Seal

Aerofoam® NBR Clad Pre-slit Tubes

TECHNICAL DATA

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

Property	Value/ Assessment	Tested acc. to:
Aerofoam® NBR CLAD (foam core only)		
Thermal conductivity (at 23 °C)	0.034 W/m·K	ASTM C518
Temperature range Max. line temperature	+110 °C (+80 °C with PSA*)	ASTM C411
Density of the foam core	40-70 kg/m³	
Water vapor permeance	1.56E-09 g/m².s.Pa	ASTM E96
Water absorption	0.1% by volume	ASTM C209
Reaction to fire	FSI<25, SDI<50	ASTM E84
	Class 0	BS 476 Part 6 & 7
Smoke density & toxicity	Passed	IMO MSC 61(67)
Chemical analysis	<0.05% water soluble chloride ions	DIN 1988
	pH - 6.8	ASTM C871
Compression set	20.6% (for 32 mm)	ASTM D3574
Resistance to fungi	Zero Growth	ASTM G21
Resistance to bacteria	Zero Growth	ISO 22196
Ozone resistance	Excellent	ASTM D1149
TVOC (Emission rate - 24 hours)	<0.5 mg/m²/hr	ASTM D5116
Ozone Depletion Potential (ODP)	0	
Global Warming Potential (GWP)	<5	
CFC & HCFC	Free	
Aerofoam® NBR CLAD (with foil)		
Reaction to fire (foil)	Class 0	BS 476 Part 6 & 7
Weather & UV resistance (foil)	Excellent	UNE EN ISO 4892-3 & ASTM G26A
Tensile strength (foil)	MD 200 N/15 mm CD 175 N/15 mm	EN ISO 527-3
Elongation (foil)	MD 48% CD 51%	EN ISO 527-3
Tear strength (foil)	MD 70 N CD 28 N	EN ISO 527-3
Storage life		
Can be stored for 24 months (12 months with PSA*) from manufacturing date in a dry, clean, dust free room at normal humidity and ambient temperature.		

*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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