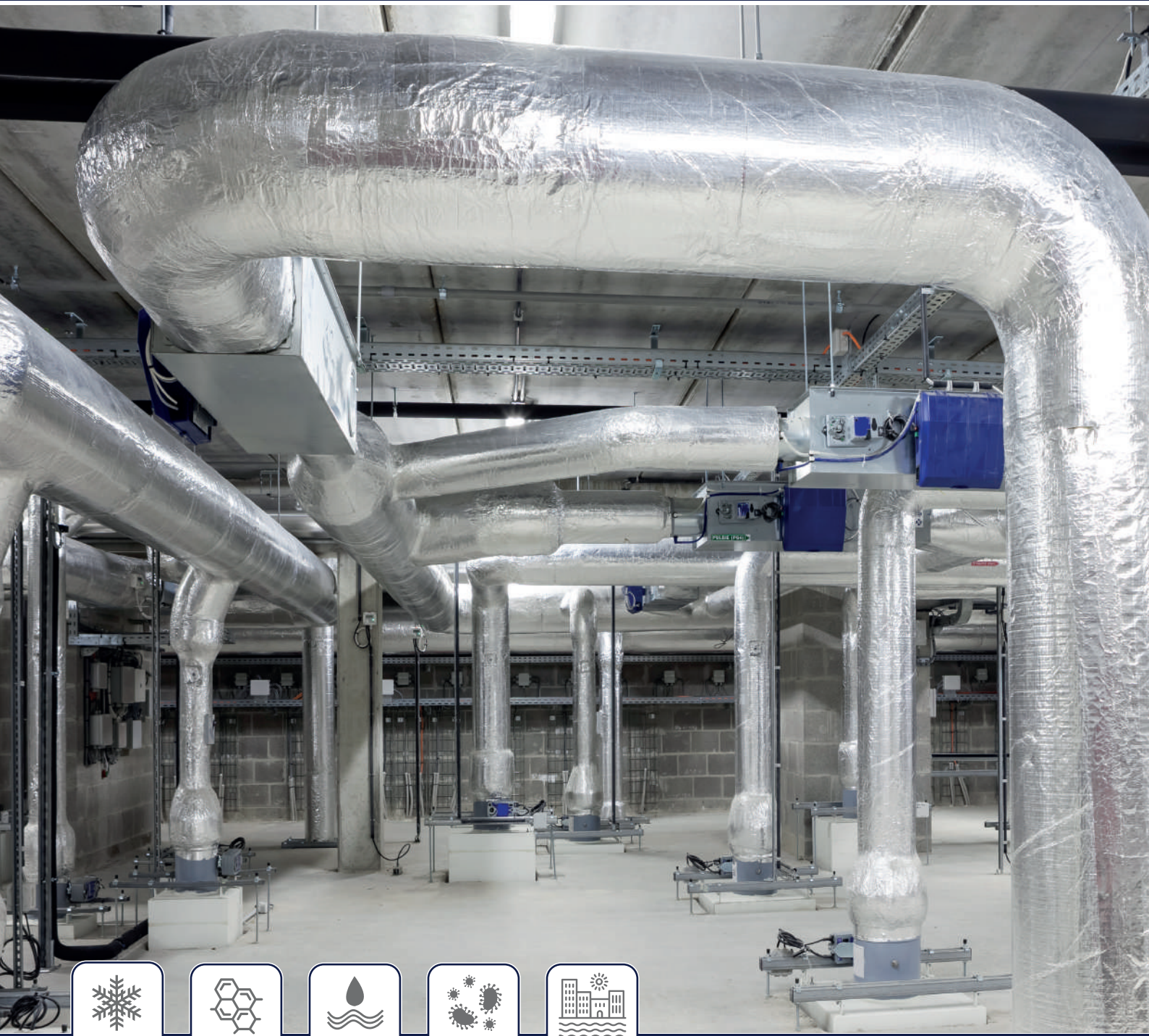


AEROFOAM[®] -XF



Cross-Linked Closed Cell Polyolefin Thermal Insulation Foam



ASTM E84



www.aerofoam.co.in

AEROFOAM® XF TUBES, SHEETS & ROLLS

Aerofoam® XF is a cross-linked closed cell polyolefin thermal insulation foam with factory applied reinforced aluminum foil, designed to control condensation and energy loses. It is suitable for such applications like duct and pipe insulation for air conditioning, cold water, chilled water, hot water and refrigeration.

Designed for indoor and outdoor applications, however outdoor application need additional protection against weather conditions and UV radiation.



FEATURES

- | | | |
|--|--|--|
|  Closed cell structure |  Resistant to bacteria |  Environmentally friendly foam |
|  Prevent condensation |  High mechanical strength |  Ozone Resistant |
|  Excellent thermal efficiency |  Flexible foam easy to install |  Resistant to mold & mildew growth |
|  Suitable for low temperature applications |  Suitable for coastal area applications |  Suitable for cooling & heating systems |

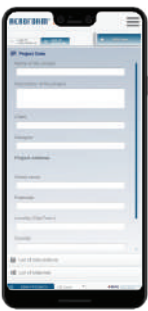
APPLICATIONS



AEROCALC

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

Visit our website: www.aerofoam.co.in



Scan QR code to download desktop app



AEROFOAM® XF TUBES - SIZE RANGE

Insulation Tube Sizes		Thickness							
Inch	mm	9 mm	13 mm	19 mm	25 mm	30 mm	32 mm	40 mm	50 mm
	16	16x9	16x13	16x19	16x25	16x30	16x32	16x40	
3/4"	19	19x9	19x13	19x19	19x25	19x30	19x32	19x40	
	20	20x9	20x13	20x19	20x25	20x30	20x32	20x40	
1/2"	22	22x9	22x13	22x19	22x25	22x30	22x32	22x40	
	25	25x9	25x13	25x19	25x25	25x30	25x32	25x40	
3/4"	28	28x9	28x13	28x19	28x25	28x30	28x32	28x40	
	32	32x9	32x13	32x19	32x25	32x30	32x32	32x40	32x50
1"	35	35x9	35x13	35x19	35x25	35x30	35x32	35x40	35x50
	40	40x9	40x13	40x19	40x25	40x30	40x32	40x40	40x50
1-1/4"	43	43x9	43x13	43x19	43x25	43x30	43x32	43x40	43x50
1-1/2"	50	50x9	50x13	50x19	50x25	50x30	50x32	50x40	50x50
2"	60	60x9	60x13	60x19	60x25	60x30	60x32	60x40	60x50
	75	75x9	75x13	75x19	75x25	75x30	75x32	75x40	75x50
2-1/2"	77	77x9	77x13	77x19	77x25	77x30	77x32	77x40	77x50
3"	90	90x9	90x13	90x19	90x25	90x30	90x32	90x40	90x50
	110	110x9	110x13	110x19	110x25	110x30	110x32	110x40	110x50
4"	115	115x9	115x13	115x19	115x25	115x30	115x32	115x40	115x50
	125	125x9	125x13	125x19	125x25	125x30	125x32	125x40	125x50
5"	140			140x19	140x25	140x30	140x32	140x40	140x50
	160			160x19	160x25	160x30	160x32	160x40	160x50
6"	166			166x19	166x25	166x30	166x32	166x40	166x50
8"	220			220x19	220x25	220x30	220x32	220x40	220x50
10"	273			273x19	273x25	273x30	273x32	273x40	273x50
12"	323			323x19	323x25	323x30	323x32	323x40	323x50
14"	356			356x19	356x25	356x30	356x32	356x40	356x50
16"	406			406x19	406x25	406x30	406x32	406x40	406x50
18"	457			457x19	457x25	457x30	457x32	457x40	457x50

Pipe section length: ID<6": 1.5 m, ID>6":1.2 m;
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 up = ±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.

Tubes without foil and other diameters up to 40" are also available upon special request

AEROFOAM® XF SHEETS & ROLLS - SIZE RANGE

Thickness		Product Range							
Inch	mm	Size	Surface	Type	XF	XF SA	XF AL	XF SA-AL	XF SA-RAL
	3	1.2mx120m	144 m²	Roll	3	3 SA	3 AL	3 SA-AL	
1/8"	6	1.2mx85m	102 m²	Roll	6	6 SA	6 AL	6 SA-AL	
	9	1.2mx45m	54 m²	Roll	9	9 SA	9 AL	9 SA-AL	
	13	1.2mx40m	48 m²	Roll	13	13 SA	13 AL	13 SA-AL	13 SA-AL
5/8"	15	1.2mx30m	36 m²	Roll	15	15 SA	15 AL	15 SA-AL	15 SA-AL
	19	1.2mx20m	24 m²	Roll	19	19 SA	19 AL	19 SA-AL	19 SA-AL
1"	25	1.2mx20m	24 m²	Roll	25	25 SA	25 AL	25 SA-AL	25 SA-AL

Different colors of aluminum foil and foam are available upon special request.
Thickness tolerance: 3 mm to 5 mm, -1 mm/1.5 mm; 10 mm to 25 mm: ±1.5 mm
Width tolerance: 0.02 mtr, **Length tolerance:** Sheet: 0.1 mtr.; Roll: 0.2 mtr.

ACCESSORIES



CERTIFICATION MARKS

Below material thicknesses had been certified and approved by respective third party certification bodies:

Thickness						
	UL 723		UL 94		FM 4924	
	Tubes	Sheets & Rolls	Tubes	Sheets & Rolls	Tubes	Sheets & Rolls
3 mm		✓	✓	✓	✓	✓
6 mm		✓	✓	✓	✓	✓
13 mm		✓	✓	✓	✓	✓
15 mm			✓	✓	✓	✓
25 mm			✓	✓	✓	✓
30 mm			✓		✓	
40 mm			✓		✓	
50 mm			✓		✓	

TECHNICAL DATA

Description: Aerofoam® XF is a light or dark grey flexible, cross-linked closed cell polyolefin thermal insulation foam with factory applied reinforced aluminum foil facer for mechanical protection, mainly designed to control condensation and energy losses.

Property	Value/ Assessment	Tested acc. to:
Thermal conductivity at 23 °C	0.032 W/m·K	ASTM C518
Temperature range Max. line temperature <i>Please consult our technical team for applications with temperatures below -40 °C.</i>	+105 °C (+80 °C with PSA*)	
Density of foam core	25 kg/m³ (±3 kg/m³)	
Reaction to fire	FSI<25 & SDI<50 HF-1	ASTM E84/UL723** UL94**
FM approval	Approved	FM 4924**
Resistance to fungi	Zero growth	ASTM G21
Resistance to bacteria	Zero growth	ISO 22196
TVOC (Emission rate - 24 hours)	<0.01 mg/m³	CDPH V1.2
Environment friendly Ozone Depletion Potential (ODP) Global Warming Potential (GWP) CFC & HCFC, dust, fibres & asbestos	0 <5 Free	
Note: All outdoor applications of Aerofoam® XF need to be protected by Aerofoam® approved coating or weather resistant cladding. Storage life: <i>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.</i>		

*PSA - Pressure Sensitive Adhesive

** Certificates and classification marks applicable for selected thicknesses only. Please refer to page no. 3 for more details.

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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