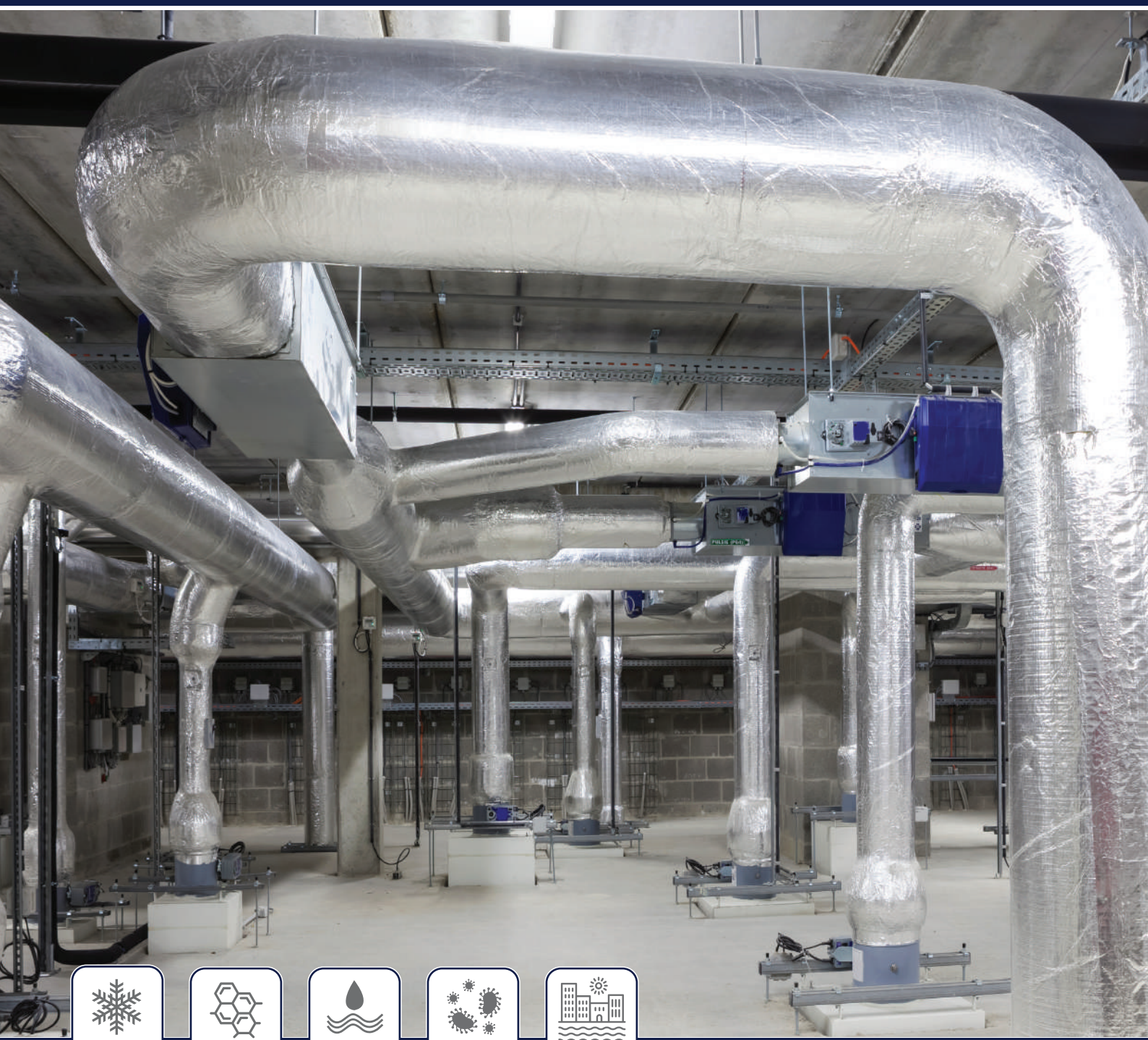


AEROFOAM[®] -XF



*Cross-Linked Closed Cell
Polyolefin Thermal Insulation Foam*



www.aerofoamvietnam.com

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 |  Environmental 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 |

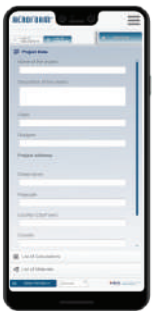
APPLICATIONS



AEROCALC

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

Visit our website: aerofoamvietnam.com



Scan the QR code to download the Desktop app.



AEROFOAM® XF TUBES - SIZE RANGE

Copper Pipes for AC & Refrigeration		Steel Pipe		Aerofoam® XF Nominal ID		Aerofoam® XF Tubes Size Range							
OD [inch]	OD [mm]	Nom Size [inch]	OD [mm]	inch	mm	10	12	15	20	25	30	40	50
1/4"	6.35			1/4"	6	10x6	12x6	15x6	20x6	25x6	30x6	40x6	
3/8"	9.52			3/8"	9	10x9	12x9	15x9	20x9	25x9	30x9	40x9	
1/2"	12.70			1/2"	13	10x13	12x13	15x13	20x13	25x13	30x13	40x13	
5/8"	15.88	1/4"	13.70	5/8"	16	10x16	12x16	15x16	20x16	25x16	30x16	40x16	
3/4"	19.05			3/4"	20	10x20	12x20	15x20	20x20	25x20	30x20	40x20	
7/8"	22.22	1/2"	21.30	7/8"	22	10x22	12x22	15x22	20x22	25x22	30x22	40x22	
1"	25.40			1"	25	10x25	12x25	15x25	20x25	25x25	30x25	40x25	
1-1/8"	28.58	3/4"	26.70	1-1/8"	28	10x28	12x28	15x28	20x28	25x28	30x28	40x28	
				1-1/4"	32	10x32	12x32	15x32	20x32	25x32	30x32	40x32	50x32
1-3/8"	34.93	1"	33.70	1-3/8"	35	10x35	12x35	15x35	20x35	25x35	30x35	40x35	50x35
				1-1/2"	40	10x40	12x40	15x40	20x40	25x40	30x40	40x40	50x40
1-5/8"	41.28	1-1/4"	42.20	1-5/8"	43	10x43	12x43	15x43	20x43	25x43	30x43	40x43	50x43
1-7/8"	48.00	1-1/2"	48.30	1-7/8"	48	10x48	12x48	15x48	20x48	25x48	30x48	40x48	50x48
				2"	50	10x50	12x50	15x50	20x50	25x50	30x50	40x50	50x50
2-1/8"	53.98			2-1/8"	54	10x54	12x54	15x54	20x54	25x54	30x54	40x54	50x54
2-3/8"	60.30	2"	60.30	2-3/8"	60	10x60	12x60	15x60	20x60	25x60	30x60	40x60	50x60
					75	10x75	12x75	15x75	20x75	25x75	30x75	40x75	50x75
3"	76.00	2-1/2"	73.00	3"	77	10x77	12x77	15x77	20x77	25x77	30x77	40x77	50x77
3-1/8"	79.00				79	10x79	12x79	15x79	20x79	25x79	30x79	40x79	50x79
3-1/2"	89.00	3"	88.90	3-1/2"	90	10x90	12x90	15x90	20x90	25x90	30x90	40x90	50x90
4"	102.00			4"	102	10x102	12x102	15x102	20x102	25x102	30x102	40x102	50x102
					110	10x110	12x110	15x110	20x110	25x110	30x110	40x110	50x110
4-1/2"	114.00	4"	114.30		115	10x115	12x115	15x115	20x115	25x115	30x115	40x115	50x115
					125	10x125	12x125	15x125	20x125	25x125	30x125	40x125	50x125
		5"	141.30		140			15x140	20x140	25x140	30x140	40x140	50x140
					160			15x160	20x160	25x160	30x160	40x160	50x160
		6"	168.30		168			15x168	20x168	25x168	30x168	40x168	50x168
		8"	219.10		220				20x220	25x220	30x220	40x220	50x220

AEROFOAM® XF SHEETS & ROLLS - SIZE RANGE

Thickness		XF Rolls			XF Sheets		
Inch	mm	WxL m	Without self-adhesive	With self-adhesive	WxL m	Without self-adhesive	With self-adhesive
	3	1.2 mx20 m	3 AL	3 SA-AL	1.2 mx2.4 m	3 AL	3 SA-AL
1/4"	5	1.2 mx20 m	5 AL	5 SA-AL	1.2 mx2.4 m	5 AL	5 SA-AL
3/8"	10	1.2 mx20 m	10 AL	10 SA-AL	1.2 mx2.4 m	10 AL	10 SA-AL
1/2"	12	1.2 mx20 m	12 AL	12 SA-AL	1.2 mx2.4 m	12 AL	12 SA-AL
	15	1.2 mx20 m	15 AL	15 SA-AL	1.2 mx2.4 m	15 AL	15 SA-AL
3/4"	20	1.2 mx20 m	20 AL	20 SA-AL	1.2 mx2.4 m	20 AL	20 SA-AL
1"	25	1.2 mx10 m	25 AL	25 SA-AL	1.2 mx2.4 m	25 AL	25 SA-AL

Thickness tolerance: 3 mm to 5 mm: -1 mm/+1.5 mm; 10 mm to 25 mm: ±1.5 mm
Width tolerance: ±20 mm; **Length tolerance:** Sheets: ±20 mm; Rolls: ±50 mm

ACCESSORIES



CERTIFICATION MARKS

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

Thickness	 E533114		 APPROVED	
	UL 94		FM 4924	
	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 - 0.04 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*)	ASTM C411
Density of foam core	25 kg/m³ (±3 kg/m³)	
Water vapor diffusion	μ>95000	BS EN 12086
Water vapor permeance	0.027 ng/Pa.s.m²	ASTM E96
Reaction to fire	FSI<25 & SDI<50 Class 0 HF-1 Ignitability index: 0 Spread of flame index: 0 Heat evolved index: 0 Smoke developed index: 1	ASTM E84/UL723** BS 476 part 6 & 7 UL94** AS/NZ 1530.3
FM approval	Approved	FM 4924**
Smoke & toxicity	Passed	BS EN 45545
Resistance to fungi	Zero growth	ASTM G21
Resistance to bacteria	Zero growth	ISO 22196
TVOC (Emission rate - 24 hours)	< 50 ug/m².h	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.		

*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 Manufacturing 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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