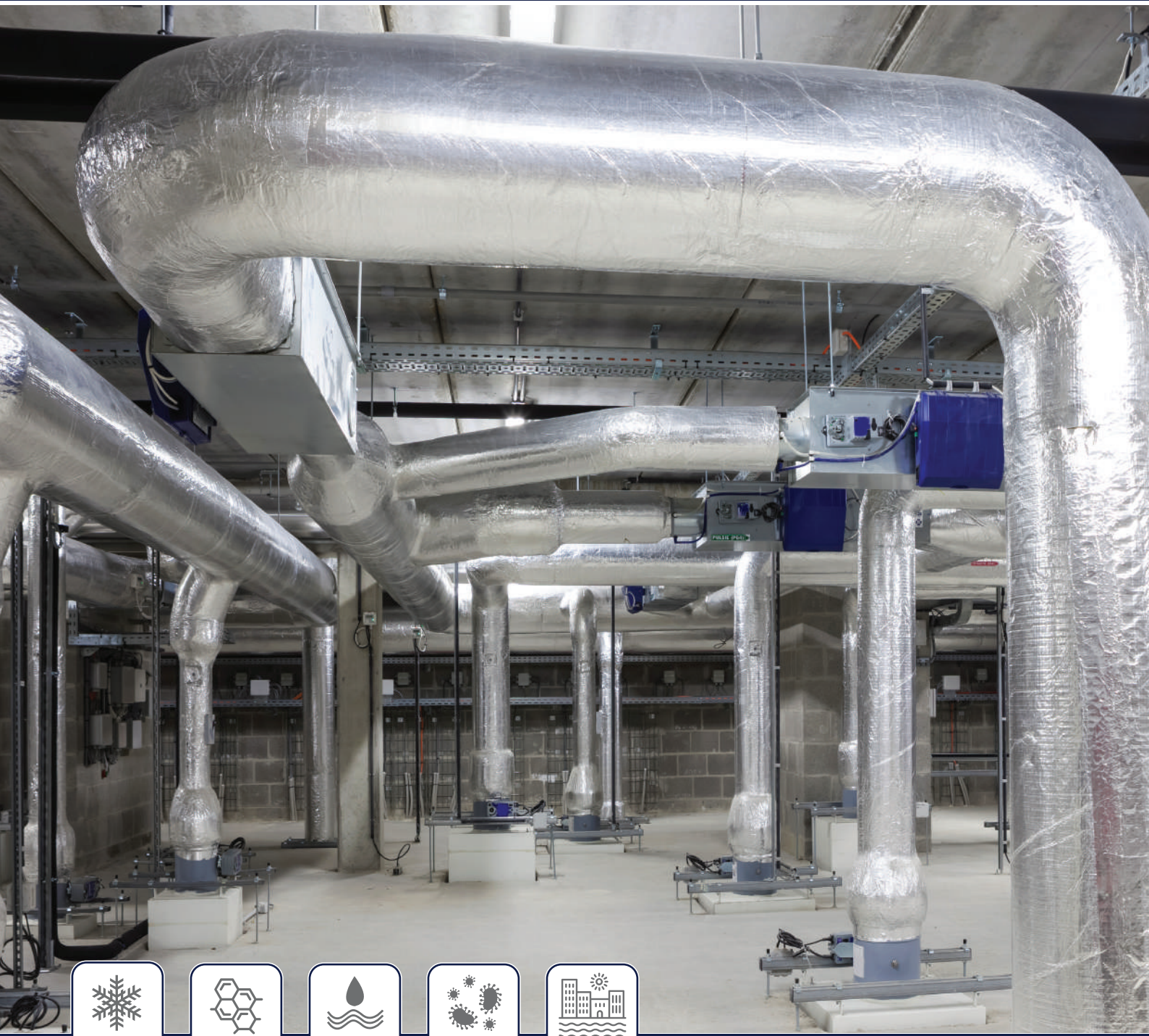


AEROFOAM[®]-XF



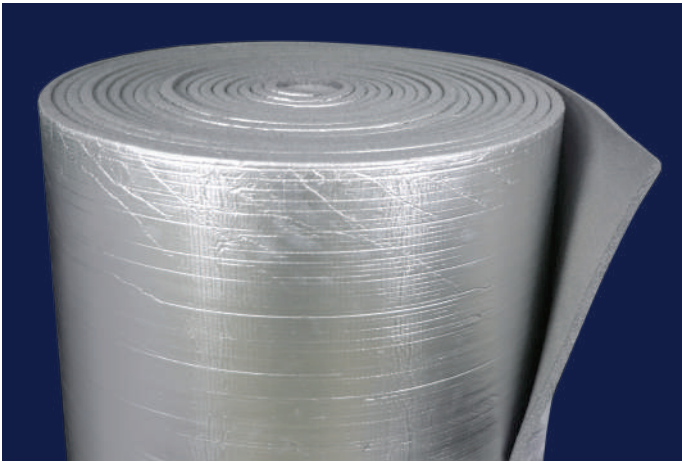
Cross-Linked Closed Cell Polyolefin Thermal Insulation Foam



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 HVAC ducts and pipes, as well as plumbing pipes.

Designed for indoor and outdoor applications, however outdoor application needs 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 |

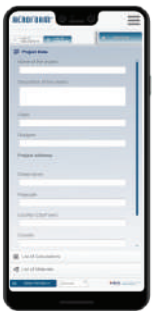
APPLICATIONS



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.aerofoamusa.com



Scan the QR code to download the Desktop app.



AEROFOAM® XF TUBES - SIZE RANGE

R-Value										
Tube inner diameter	Wall thickness (Inch)									
Inch	3/8"	1/2"	5/8"	3/4"	1"	1-1/5"	1-1/4"	1-3/8"	1-1/2"	2"
1/4"	3.2	4.7	6.3	7.9	11.5	14.6	15.4	17.4	19.4	28.0
3/8"	2.8	4.0	5.4	6.8	9.9	12.5	13.2	14.9	16.7	24.2
1/2"	2.6	3.7	4.9	6.2	9.1	11.5	12.1	13.7	15.3	22.3
5/8"	2.4	3.5	4.6	5.9	8.5	10.7	11.3	12.8	14.4	20.8
3/4"	2.3	3.3	4.4	5.6	8.0	10.2	10.7	12.1	13.6	19.7
	2.3	3.3	4.3	5.5	7.9	10.0	10.5	11.9	13.3	19.4
7/8"	2.3	3.2	4.2	5.3	7.7	9.7	10.3	11.6	13.0	18.9
1"	2.2	3.1	4.1	5.2	7.4	9.4	9.9	11.2	12.5	18.1
1-1/8"	2.2	3.0	4.0	5.0	7.2	9.1	9.6	10.8	12.1	17.5
1-1/4"	2.1	3.0	3.9	4.9	7.0	8.8	9.3	10.5	11.7	17.0
1-3/8"	2.1	2.9	3.8	4.8	6.8	8.6	9.0	10.2	11.4	16.5
	2.0	2.8	3.7	4.6	6.6	8.3	8.7	9.8	10.9	15.8
1-5/8"	2.0	2.8	3.7	4.6	6.6	8.2	8.7	9.8	10.9	15.7
2"	2.0	2.7	3.6	4.4	6.2	7.8	8.2	9.3	10.3	14.8
2-3/8"	1.9	2.7	3.5	4.3	6.0	7.5	7.9	8.9	9.9	14.2
3"	1.9	2.6	3.3	4.1	5.8	7.1	7.5	8.4	9.4	13.4
	1.9	2.6	3.3	4.1	5.7	7.1	7.5	8.4	9.3	13.3
3-1/2"	1.9	2.5	3.3	4.0	5.6	6.9	7.3	8.2	9.1	12.9
4-1/4"	1.8	2.5	3.2	3.9	5.4	6.7	7.0	7.9	8.7	12.3
4-1/2"	1.8	2.5	3.2	3.9	5.4	6.6	7.0	7.8	8.6	12.2
5"	1.8	2.5	3.1	3.8	5.3	6.5	6.8	7.6	8.5	11.9
	1.8	2.4	3.1	3.8	5.2	6.4	6.7	7.5	8.3	11.7
	1.8	2.4	3.1	3.7	5.1	6.3	6.6	7.4	8.1	11.4
6-1/2"	1.8	2.4	3.1	3.8	5.2	6.4	6.7	7.4	8.2	11.5
8-3/4"	1.8	2.4	3.0	3.7	5.0	6.1	6.4	7.2	7.9	11.0

SPECIFICATION COMPLIANCE:

- ASTM C1427
- NFPA 90A & 90B
- ASTM E84
- NFPA 255
- UL 723 (R39241)
- UL 94 (E361452)
- FM 4924
- Meets energy code requirements ASHRAE 90.1 & 189.1

ACCESSORIES



AEROFOAM® XF SHEETS & ROLLS - SIZE RANGE

Wall thickness (Inch)							
Inch	1/8"	2/9"	3/8"	1/2"	5/8"	3/4"	1"
R-Value	0.6	1.0	1.7	2.3	2.8	3.4	4.5

SIZE AVAILABILITY TUBES

ID	Thickness
1-4" - 5"	3/8" - 5/8"
1-4" - 8-3/4"	3/4" - 1-1/2"
1-2" - 8-3/4"	2"

SHEETS & ROLLS

Thickness
1-4" - 1"

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
1/8"		✓	✓	✓	✓	✓
1/4"		✓	✓	✓	✓	✓
1/2"		✓	✓	✓	✓	✓
5/8"			✓	✓	✓	✓
1"			✓	✓	✓	✓
1-1/6"			✓		✓	
1-1/2"			✓		✓	
2"			✓		✓	

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 73 °F	0.22 BTU-in/h-ft ²	ASTM C518
Temperature range Max. line temperature <i>Please consult our technical team for applications with temperatures below -40 °F.</i>	+221 °F (+176 °F with PSA*) -112 °F (-22 °F with PSA*)	ASTM C411
Density of foam core	1.56 lbs/ft ³	
Water vapor diffusion	μ>50000	ASTM E96
Water vapor permeance	<0.01 perm-inch	ASTM E96
Water absorption	0.0012 oz/in ²	BS EN 12087
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
Chemical analysis	<0.05% (water soluble chloride ions) pH - 7.6	ASTM C871
Resistance to fungi	Zero growth	ASTM G21
Resistance to bacteria	Zero growth	ISO 22196
TVOC (Emission rate - 24 hours)	<0.01 mg/m ³	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 Industries 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.

Corporate Office:
Hira Industries L.L.C
P.O. Box 50673,
Dubai Investments Parks 2,
Dubai, United Arab Emirates.
🌐 www.rhira.com

AEROFOAM USA L.L.C
43 Commerce Dr,
Abbeville, SC 29620
South Carolina, USA
✉ enquiry@aerofoamusa.com
🌐 www.aerofoamusa.com

