



AEROFLEX®

EPDM Pipe Insulation

Aerocel®-SSPT™
Stay-Seal® with Protape® Pipe Insulation





Aerocel[®]-SSPT[™]

Stay-Seal[®] with Protape[®] Pipe Insulation

HVAC | VRF | Chilled Water | Refrigeration
Hot and Cold Water Plumbing

Closed-cell elastomeric foam pipe insulation with self-seal, dual-tape closure system. Proprietary blend of non-polar EPDM-rubber is key to consistent, long-lasting thermal performance and protection against moisture and environmental stresses.

Wide range of sizes and thicknesses to meet energy code and condensation control requirements (See back cover).

Available in AC, REF[™], White/Gray and ULP[®]

Fast, simple to install

Double-closure system saves labor by eliminating need for field-applied adhesives on longitudinal seams

Unique dual-direction adhesive enhances seal reliability

Built-in vapor retarder - No protective coating or vapor barrier required*

Superior environmental stability

Non-polar - does not induce or react with water

Stands up to UV & high humidity

Non-corrosive on stainless steel & copper piping

Suitable for indoor & outdoor applications*

Safe for indoor environments

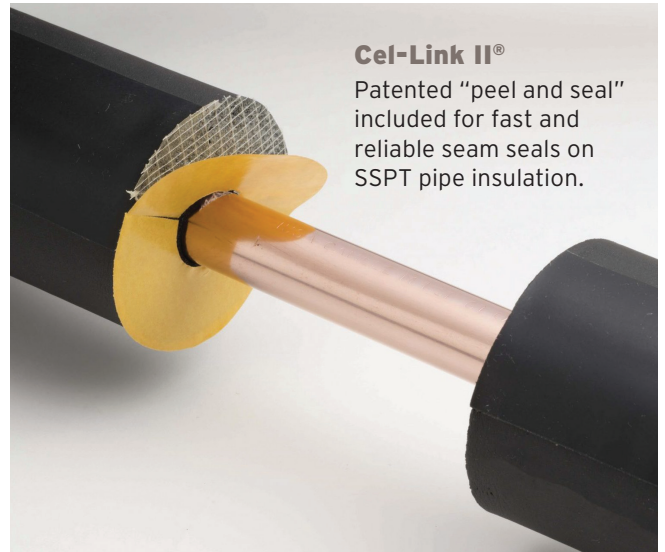
Superior fire safety - 25/50 rated (ASTM E84) and self-extinguishing (ASTM D635) thru 2-inch thick

GREENGUARD Gold Certified for low chemical emissions (VOCs)

Can contribute to LEED[®] credits

No CFCs, HFCs, HCFCs, PBDEs, formaldehyde, Nitrosamine or fibers

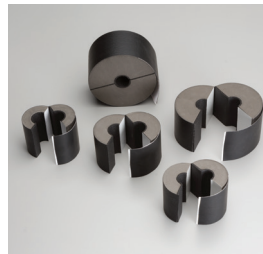
Naturally mold-resistant: no biocides required



Cel-Link II[®]

Patented "peel and seal" included for fast and reliable seam seals on SSPT pipe insulation.

All-inclusive solutions for piping systems:



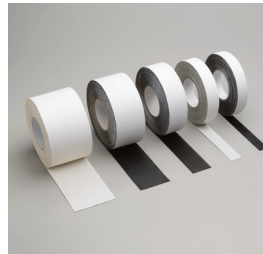
Aerofix[®]

Light-weight, rigid pipe supports, pre-insulated with closed-cell EPDM foam rubber and encased with zero-perm EPDM polymer membrane. Includes built-in pressure sensitive Protape[®] closure system.



AeroFit[™]

Pre-fabricated fitting insulators made of closed-cell EPDM rubber for fast installation on hot/cold-water and refrigerant piping.



Protape[®]

EPDM-based, self-adhering rubber tape for sealing butt joints and termination points.



Aeroflex Adhesives

Specially formulated adhesive for bonding of Aerocel insulations. Fast tack and LVOC formulations available.

*Vapor barrier may be required in extreme low-temperature or extreme high-humidity applications. Protective jacket required for direct-bury applications and if insulation may be subjected to mechanical damage.

Product: Closed-cell EPDM (Ethylene Propylene Diene Monomer)-based rubber elastomeric foam pipe insulation for HVAC (VRF, chilled water & refrigeration) and plumbing piping.

Standard Specification: ASTM C534 Type I Grade 1

Thermal Conductivity (K) Btu-in/hr-Ft² -°F (W/m.K)

Mean Temperature	K Value	Test Method
75°F (24°C)	0.245 (0.0353)	ASTM C518 /C177
90°F (32°C)	0.250 (0.0360)	

Physical and Operational Properties

Property	Test Value/Rating	Test Method
Service Temperature, CONTINUOUS	-297°F to +257°F -183°C to +125°C	ASTM C411 ¹
U.V. Resistance	Minimal Cracking or color change	ASTM G7
Ozone Resistance	No cracking	ASTM D1171
Water Vapor Permeability, Max	0.03 perm-inch (4.38 x 10 ⁻¹¹ g/Pa.s.m)	ASTM E96
Water Absorption (% by Volume), Max	0.2%	ASTM C209
Fire Safety Characteristics thru 2" thickness	Class V-0	UL 94
	25/50	ASTM E84
	Pass	NFPA 90A/90B
	Self-extinguishing	ASTM D635
Corrosion of Stainless Steel	Non-corrosive	ASTM C692, DIN 1988
Fungi Resistance	No Growth	ASTM C1318/G21
Mold Resistance	No Growth	UL181 Section 13
Flexibility	Pass	ASTM C534
Air Erosion	Pass	UL181 Section 18

Additional Approvals, Compliances, Etc.

ASTM D1056, 2C1	Standard Specification for Flexible Cellular Materials—Sponge or Expanded Rubber (2C1- Closed Cell Rubber, Oil resistant with medium mass change, Compression Deflection of 2 - 5 psi.)
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1	International Green Construction Code® (igCC®)
ANSI/ASHRAE/IES Standard 90.1	Energy Standard for Buildings Except Low-Rise Residential Buildings
IECC®	International Energy Conservation Code®
CA Title 24	California Building Energy Efficiency Standards
MEA #171-04-M	City of New York Material and Acceptance Pipe Insulation
CDPH Specification 01350	California Department of Public Health (VOC Emissions)
LEED®	U.S. Green Building Council - Leadership in Energy and Environmental Design
REACH	European Chemicals Agency (ECHA) - Registration, Evaluation, Authorization and Restriction of Chemicals
RoHS	European Union - Restriction of Hazardous Substances
MIL-P-15280 (Form S, Form T)	U.S. Department of Defense - Qualified Products List (06/24/2005)

Potential LEED® Credit Contributions

Energy & Atmosphere (EA)	Prerequisite: Minimum Energy Performance Credit: Optimize Energy Performance
Indoor Environmental Quality (EQ)	Credit: Low-Emitting Materials Credit: Indoor Air Quality Assessment Credit: Thermal Comfort Credit: Acoustic Performance
Innovation (IN)	Credit: Occupant Comfort Survey

¹ AEROCCEL flexibility begins to decrease at -70°F and below. This does not impact the insulating properties of the material.

Find us in

MasterSpec® **SpecLink**^{BSD}

a product of The American Institute of Architects





Aerocel®-SSPT™ Pipe Insulation R-Values

Pipe Size	IPS	Wall Thickness					
		3/8	1/2	3/4	1	1-1/2	2
1/4		3.0	4.0	6.7	10.0	17.5	26.4
3/8		2.7	3.6	6.0	9.0	15.8	24.0
1/2	1/4	2.5	3.4	5.5	8.3	14.4	21.9
5/8	3/8	2.4	3.2	5.2	8.0	13.5	20.6
3/4		2.3	3.1	5.0	7.7	13.0	19.7
7/8	1/2	2.3	3.2	5.3	7.4	12.9	18.5
1		2.2	3.0	5.0	7.0	12.3	17.5
1-1/8	3/4	2.1	3.0	5.0	6.9	12.1	17.3
1-1/4		2.1	3.1	5.0	6.6	11.4	16.3
1-3/8	1	2.1	3.1	5.0	6.5	11.3	16.2
1-5/8	1-1/4	2.3	3.0	4.8	6.3	11.1	15.9
1-7/8	1-1/2	2.2	2.9	4.7	6.0	10.6	15.2
2-1/8		2.2	3.0	4.6	5.9	10.3	14.8
2-3/8	2	2.2	3.0	4.5	5.8	10.0	14.3
2-5/8		2.2	2.9	4.4	5.7	9.8	14.0
2-7/8	2-1/2	2.1	2.9	4.3	5.5	9.5	13.6
3-1/8		2.1	2.9	4.3	5.5	9.4	13.4
3-1/2	3	2.1	3.0	4.2	5.3	9.1	12.9
3-5/8		2.1	3.0	4.2	5.3	9.1	12.9
4-1/8		2.1	2.9	4.1	5.2	8.9	12.5
4-1/2	4	2.0	2.9	4.0	5.1	8.7	12.2
5-1/8		2.0	2.9	4.0	5.1	8.5	11.9
5-1/2	5		2.8	3.9	5.0	8.4	11.7
6-1/8			2.8	3.9	4.9	8.3	11.5
6-5/8	6		2.8	3.9	4.9	8.1	11.3
8-1/8			2.8	3.8	4.8	7.9	11.0
8-5/8	8		2.8	3.8	4.8	7.8	10.8
10-3/4	10		2.7	3.7	4.7	7.6	10.5
12-3/4	12				4.6	7.5	10.3
14					4.6	7.4	10.2
16					4.6	7.3	10.0