MĀLAMA COMPOSITES®
GREEN TO THE CORE

BAY Commercial & Industrial Insulation Supply

25/50 EVERYWHERE. WE'VE GOT YOU COVERED.

Innovation in Pipe Insulation Starts Here

Bay Insulation and Malama Composites have teamed to deliver commercial pipe insulation with superior technical and environmental performance at a lower price point than phenolic alternatives.

- Class A (E84 25/50) up to 2.5 inches thick
- Formaldehyde free
- Superior compressive strength
- 18% post consumer recycled content (LEED points)
- Superior k-factor
- Superior moisture resistance

Cost Savings

- Lower initial price point than phenolic alternatives
- Moisture and mold resistant
- Class A fire rated (ASTM E-84 25/50)

} All leading to a less expensive, safer, more secure, longer-lasting installation

The building owner – your end-use customer – benefits from higher level LEED certification, low installation and lifecycle costs, superior energy efficiency, and fire safety. At the same time our product reduces poor air quality and damage from moisture and mold.

AINACORE®
STRUCTURAL INSULATION

Questions? Contact us now! • 626.626.2700 • www.BayInsulationSupply.com

AinaCore®
STRUCTURAL INSULATION

HIGHER PERFORMANCE METRICS

Property	ASTM Method	AinaCore 2.0	Phenolic Insulation	PIR Insulation
Density, pcf (kg/m^2), Nominal	D-1622	2.0 (32.0)	2.5 (40)	2 (32)
Compressive Strength, psi (kPa) Parallel to Rise Perpendicular to Rise	D-1621	 30 (207) 20 (138)	29 (200)	25 (172)
k-factor, BTU-in/hr^2-ft -°F (w/mK) Initial Aged 180 Days @ 75°F (24°C)	C-518-91	 0.121 (0.017) 0.165 (0.0238)	0.15 (0.022)	0.19 (0.027)
Water Absorption, psf (g/cm^2)	D-2842	0.05 (0.027)		
Water Vapor Permeability, Perm-in (ng/Pa-S-M)	E-96	4.0 (5.8)	0.9 (1.30)	4 (5.8)
Service Temperature, °F (°C) Continuous Intermittent		 -297°F to + 300°F (-183°C to + 149°C) +350°F (+172°C)	 -290 to +250 (-180 to +120)	 -297 to +300 (-183 to +149)
Closed Cell Content, %	D-2856	90		
Dimensional Stability, % Change Dry Heat, 300°F (149°C), 7, 14, & 28 Days Length Width	D-2126	 4.0, 4.5, & 4.6 4.1, 4.1, & 3.2		
Surface Burning Characteristics[1], Sample Thickness Flame Spread Smoke Density	E-84	Class A ≤ 2.5” 25 50	 ≤ 25 ≤ 50	Class A or Class 1 Up to 2.0” thick ≤ 25 ≤ 450
Renewable Content		18% Post consumer	Unknown	5-10% Post consumer

[1] This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions

LEED CREDITS

- Sustainable Sites (SS) 1 Point Possible - Heat Island Effect: Roof
- Energy & Atmosphere (EA) Minimum Energy Performance
  - » 1-19 Points Possible – Optimize Energy Performance
  - » 2 Points Possible – Ozone Protection
  - » 3 Points Possible – Measurement and Verification
- Materials & Resources (MR)
  - » 1-2 Points Possible – Recycled Content
  - » 1-2 Points Possible – Local/Regional Materials:
    20% Manufactured Regionally
- Water Efficiency (WE) 2-4 Points Possible – Water Use Reduction

BAY INSULATION

TECHNICAL SUPPORT, ASSISTANCE & ACCESS

- System design support
- Pre-qualified list of fabricators to ensure fast system implementation
- Technical and Material Safety Data Sheets (MSDS), installation instructions, thickness tables and product information on our website

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