

TECHNICAL INFO

FlexClad-400™ is a patented, pre-fabricated self-adhering, sheet-type protective membrane for pipes and ducts. The outer layer is an embossed, UV resistant aluminum weathering surface. Under the aluminum are multiple layers of tough, high-density cross-linked polymer film. Under the polymer film is a uniform layer of aggressive rubberized asphalt adhesive which sticks directly to metal, insulation facers and most other clean, dry surfaces. The self adhesive surface is protected by a disposable release liner.

Applications

Designed specifically to protect ductwork and sub-grade applications, FlexClad-400 can be applied over rigid board insulation, cold pipes, plenums, storage tanks, iron, copper, steel, PVC, CPVC and concrete. FlexClad can be used for piping systems, pipelines and other below grade structures. The product weatherproofs, resists water leaks and vapor transmission, preserves the efficiency of thermal insulation and reflects sunlight to reduce interior temperatures. FlexClad-400 is designed for exterior, interior or sub-grade use and it may be used in direct burial applications.

Advantages

- All-weather, light-weight, durable and tear-resistant – use in place of rigid aluminum jacket or fabric/mastic systems.
- Exceeds 25/50 Flame/Smoke Rating
- Self-stick application saves time, labor, materials, and equipment
- Seals at laps, resists moisture, protects metal and insulation
- Excellent elongation to accommodate structural movement
- Uniform thickness for optimum waterproofing performance
- Self-seals around punctures and penetrations

Limitations

FlexClad-400 is intended to act as a weatherproofing barrier. Do not use the product as a substitute for banding, pinning or other means of securely attaching insulation and underlying materials. Follow insulation manufacturer's instructions for attaching these products. Flex-Clad-400 is designed to protect insulation, air handling equipment and pipelines from the infiltration of outside moisture into the system. It is not designed to handle the effects of pressure-driven moisture caused by differential temperatures, air movement or extraordinary humidity. FlexClad-400 is not designed for permanent emersion in water.

Packaging

All cartons contain 100 square feet and are shipped 30 cartons per pallet. Cartons should be stored on end in a dark, dry place until ready to use. Product should be used within one year.

How To Order

Rolls of FlexClad-400 are 33.5' in length and are available in the following standard widths: 4", 6" and 36". Surface finishes available are Aluminum, Gray, Tan, or White.

Installation

FlexClad-400 is a pressure sensitive product. Substrate must be properly prepared before installation. Always apply concentrated pressure to the entire surface of the membrane with a hand roller. Duct bottoms over 24" should be pinned. Please consult Installation Instructions for complete details.

FlexClad-400™ is covered by US Patent Nos. 4,936,938, 5,096,759 and 5,142,837.

Property	Test Method	Results
Heat Aging	ASTM D 794	No visible blistering or deterioration
Tear Resistance	ASTM D 1424	660 grams (avg)
Elongation	ASTM D 412	450% min
Flame Spread Index	ASTM E 84-97a	0
Smoke Density Index	ASTM E 84-97a	5
Wind-Driven Rain	Dade County TAS-100-95	No Leakage or Failure @100mph
UV Stability	MFM Test	Excellent

Outer Film	Multi-ply, cross laminated polymer film with a protective aluminum surface
Adhesive Layer	Modified asphalt

Property	Test Method	Results
Thickness	ASTM D 1970	40 mils Min.
Flexibility @ -20°F	ASTM D 1970	Pass
Water Vapor	ASTM E 96-95	0 perms
Nail Sealability	ASTM D 1970	Pass

Application Range	>40°F
Color	Aluminum, White, Gray, Tan
Roll Length	33.5 ft
Roll Width	36", 6", 4"
Carton Weight	33 lbs. Nom.
Area / Carton	100 ft ²
Maximum Temp.	175°F

For more information on GLT Products, please call toll-free at 800.874.1748 or online at www.gltproducts.com.



Innovative Insulation Systems

HEADQUARTERS:

6810 Cochran Road | Solon OH 44139 | 440.914.1122 | 440.914.1133 Fax | **1.800.874.1748**

DISTRIBUTION CENTERS:

Ohio: 6810 Cochran Road | Solon OH 44139 | 440.914.1122

North Carolina: 501 West Camel Street | Greensboro, NC 27401 | 1.800.551.9760

California: 4283 Pock Lane #200 | Stockton, CA 95206 | 1.800.833.4500

Texas: 8905 Market Street | Houston, TX 77029 | 1.800.874.1748