

DESCRIPTION

FlexClad 400 PowerBond™ is a patented, pre-fabricated self-adhering, sheet-type protective membrane. The outer layer is an embossed, UV-resistant aluminum weathering surface. Under the aluminum are multiple layers of tough, high-density cross linked polyethylene. Under the polyethylene is a uniform layer of extremely aggressive rubberized asphalt adhesive which engages clean, dry surfaces at temperatures as low as 25° F. The self-adhesive surface is protected by a disposable release paper.

RECOMMENDED USES

Designed specifically to protect ductwork, apply FlexClad 400 PowerBond over rigid board insulation, cold pipes, plenums and storage tanks. The product weatherproofs, resists water leaks and vapor transmission, preserves the efficiency of thermal insulation and reflects sunlight to reduce interior temperatures. FlexClad 400 PowerBond is designed for exterior or interior 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 & insulation
- Excellent elongation to accommodate structural movement
- Uniform thickness for optimum waterproofing performance
- Self-seals around punctures and penetrations

LIMITATIONS

FlexClad 400 PowerBond 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. FlexClad 400 PowerBond 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 PowerBond is not designed for permanent emersion in water.

PACKAGING

All cartons contain 100 ft² 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 PowerBond 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.



Flexible, self-adhering weatherproofing barrier for pipe and ducts TECHNICAL DATA

PROPERTY	ASTM	RESULTS
Heat Aging	D 794	No visible blistering or deterioration
Tear Resistance	D 1424	660 gram (avg)
Elongation	D 412	450% min
Low Temp Flex	MFM test	100,000 cycles@ -10° F 1200 cycles@ -20° F No Cracking
Water vapor transmission	E-96-95	0 perms
Flame spread index	E 84-97a	0
Smoke density index	E 84-97a	5
Wind-driven rain	Dade County TAS-100-95	No Leakage or Failure @100mph
UV stability	MFM test	Excellent
Nail Sealability	D 1970	Pass
Thickness	D 1970	40 mils minimum
Outer Film	Multi-ply, cross laminated polyethylene with a protective aluminum surface	
Adhesive layer	Organically modified asphalt blend	
Installation Range	20° F - 105° F	
Maximum Operating Temp	175° F	

INSTALLATION

FlexClad 400 PowerBond 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.*

LIMITED WARRANTY

MFM Building Products Corporation (MFM) warrants material to be free from leaks caused by defects in materials or manufacturing for a period of ten (10) years from the date of purchase when the membrane is installed according to published directions. *Please consult FlexClad 400 PowerBond Limited Warranty for complete details.*

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