

FlexClad-400™ Duct and Pipe Sealing System

FlexClad-400

Constructed of an extremely durable, aluminum top surface bonded to multi-layer polyethylene coated with specially formulated rubberized asphalt, patented* FlexClad-400 protects insulation, piping and duct systems like no other product.

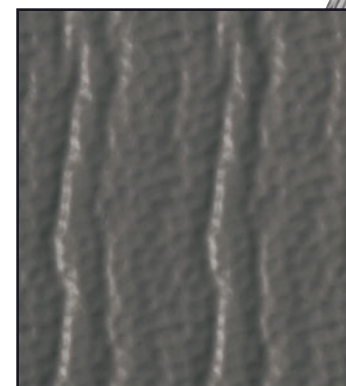
Designed for both interior and exterior use, it protects air handling equipment, insulation and pipes from damaging sunlight, moisture and wind-driven rain. Available in a variety of convenient widths and a choice of colors, all-weather FlexClad-400 firmly adheres to metal, rigid insulation facers, and other clean, dry surfaces... self-seals around pins, punctures, brackets, and fasteners... and will add years to the service life of every system where it is applied. Installation is fast and easy:

simply measure, cut to size, remove the protective release paper, and apply pressure to the surface with a hand roller. It makes for a professional looking, neat appearance. All-weather use FlexClad-400 will not deteriorate like fabric or mastic sealing applications, and, unlike metal jacketing, easily conforms to difficult shapes.

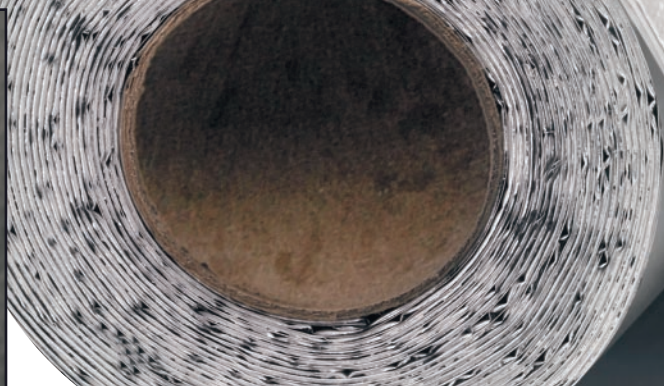
Additional FlexClad-400 Colors:



Tan



Gray



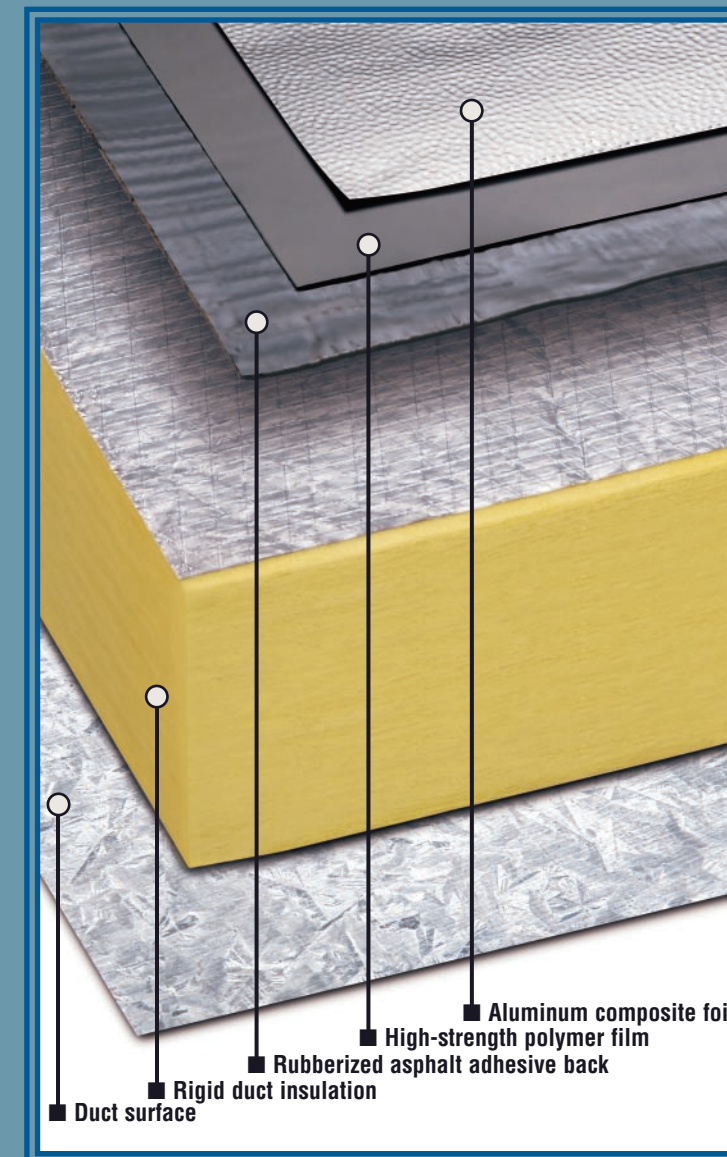
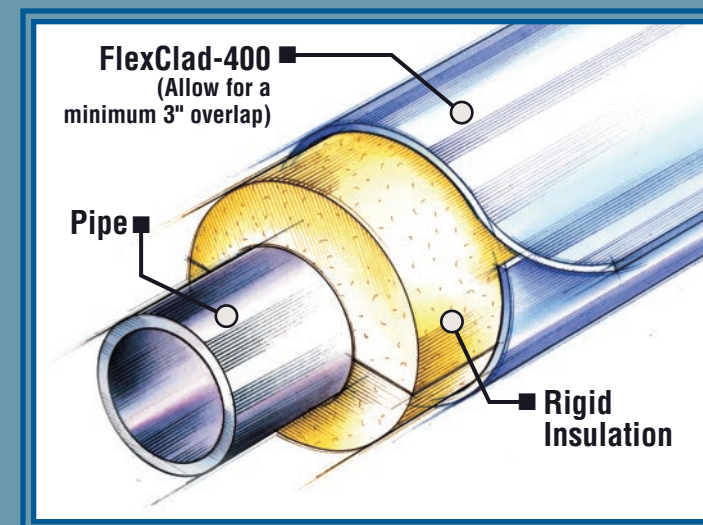
White

Aluminum

Product	Width	Length	Color	Thickness
FlexClad-400	4", 6", 9", 12", 18", 36"	33.5'	Aluminum, Gray, Tan, White	40 mils minimum

MFM products are protected under U.S. Patent Nos. 4,936,938; 5,096,759; 5,142,837; 6,103,356; 6,479,119; 6,627, 017.

Property	ASTM	Results
Heat Aging	ASTM D 794	No visible blistering or deterioration
Tear Resistance	ASTM D 1424	660 gram (average)
Elongation	ASTM D 412	450% minimum
Low Temp Flex	MFM test	100,000 cycles @ -10° F 1200 cycles @ -20° F No cracking
Maximum Duct Temp. - Continuous Use	MFM test	165° F
Minimum Duct Temp. - Continuous Use	MFM test	-10° F
Water Vapor Transmission	ASTM E-96-95	.009 perms
Flame Spread Index	ASTM E 84-97a	0
Smoke Density Index	ASTM E 84-97a	5
Wind-driven Rain	SFBC #5683	No leakage or failure @ 100 mph
UV Stability	MFM test	Excellent
Recommended Installation Temp.	MFM test	>50° F



- Outperforms Metal Jacketing
- Waterproof & Weather-Resistant
- Ideal For Indoor & Outdoor Applications
- Quick & Easy Self-Stick Installation
- Exceeds 25/50 Flame/Smoke Rating
- Resists Vapor Transmission
- Combats Premature Aging
- UV-Stable
- Reduces Energy Costs
- 10-Year Limited Warranty



* U.S. Patent Nos. 4,936,938; 5,096,759; and 5,142,837/aluminum

FlexClad-400™ is the flexible, weatherproof, economical, and easy-to-install protective solution for pipe and duct applications.

To protect the costly investment of your piping or ductwork system – and significantly extend its service life – specify FlexClad-400 sealing system from MFM Building Products Corp.

FlexClad-400 is a patented, water- and weather-resistant, pre-fabricated, self-adhering, sheet-type protective membrane. The top surface is UV-resistant embossed aluminum that reflects heat and can aid in reducing energy costs. It is bonded to extremely tough, high-density polyethylene reinforcement material that is backed by a layer of aggressive, rubberized asphalt. Available in four colors: aluminum, white, gray and tan.

Self-sealing around punctures, pins, screws, flanges and banding, FlexClad-400 resists water leaks and vapor transmission, reflects sunlight to reduce interior temperature, and preserves the efficiency and integrity of thermal insulation. And because it provides superior protection for most pipe or duct systems, plenums and storage tanks, it saves time, material, labor, and future utility costs.

So whether it's a new project you're tackling or seeking protection for an existing installation, count on MFM FlexClad-400 to deliver outstanding performance for system projects you specify.

FlexClad-400 by MFM. What could be easier?



For straight, long length duct systems, FlexClad-400 makes for a clean, uncluttered appearance. Quickly and easily installed, it replaces expensive and cumbersome metal jacketing commonly used to protect insulated ductwork.



Potentially difficult installations that include sweeping curved corners and odd shapes are made easy with FlexClad-400, and its excellent elongation characteristics accommodate structural movement.



Properly applied, FlexClad-400 creates a protective barrier against inclement weather, and the UV-resistant aluminum top surface reflects sunlight to reduce interior temperatures... and energy costs. Durable, protective and self-sealing around punctures, it conforms to and effectively seals around external support brackets.

MFM is your quality source.

Over 40 years of research and experience are behind every product, making MFM the recognized innovator and manufacturer of self-adhering membranes. We continually test and evaluate all of our products to ensure you're getting the best, most durable products available.

MFM has the solutions.

You'll never have to compromise cost or quality with our duct- and pipe-sealing product. We provide you with a superior solution matched to a wide range of configurations, climates, and cost factors. Read on for more details – then make FlexClad-400 your choice with confidence!



FlexClad-400 can be applied to virtually any shape or configuration. It completely protects the ductwork from infiltration of outside moisture and harmful sunlight, and is warranted by MFM for 10-years.

All surfaces should be clean, dry and warm. Use MFM Spray Adhesive to improve adhesion in shaded/shadowed areas, on the bottoms of ducts, and in cool temperatures.



After measuring and cutting the section to the proper size, align and gently press FlexClad-400 into place; reposition if necessary.



Unlike competitor products, the 40 mil thickness of FlexClad-400 provides excellent weather and self-sealing protection without the excess weight of unnecessary "filler" materials in its composition.



The aluminum top surface is an extremely durable laminated film that is both highly tear- and puncture-resistant. FlexClad-400 is also available in four different color choices in order to allow you to blend your system to the surrounding structure.

When in final position, firmly hand seal to the surface and fold over all edges as shown.



Complete the installation by applying firm pressure to the entire surface with a hand roller.



Cut the next section to size overlapping the previous section by at least 3" in order to create a secure, water-resistant seal.



Count on the highly aggressive rubberized asphalt adhesive on FlexClad-400 to securely stick to rigid board insulation protecting it from weather damage and deterioration. Note: On installations involving curved shapes and edges, metal angle should be used to prevent corners of the insulation material from deforming and to give a neat, finished look.