



VAPOR-OUT™ Coating 30-33

Product Data Sheet

PROPERTIES

COLOR

White

AVERAGE WET WEIGHT (ASTM D1475)

11.9 lbs. / U.S. gal. (1.4 kg/liter)

AVERAGE NON-VOLATILE (ASTM D2369)

55% by volume, 68.5% by weight

SERVICE TEMPERATURE RANGE

Temperature to which dry film is subjected
-20°F to 190°F (-29°C to 88°C)

APPLICATION & STORAGE TEMPERATURE RANGE

40°F to 100°F (4°C to 38°C)

DRYING TIME

Temperature, humidity, and film thickness will affect drying time
To Touch: 3 Hours
Through: 24 Hours

COVERAGE

Subject to the type of surface being coated. Wet coverage shown below are for smooth non-porous surfaces. Porous or rough surfaces may require more product to attain required dry thickness. 4 gallons per 100 square feet (1.6 l/m²) 0.064 in. wet thickness (1.6 mm)

CLEAN UP

Warm, soapy water while coating is still wet

WATER VAPOR PERMEANCE (TYPICAL AVERAGE)

Tested with reinforcing mesh

ASTM F1249: 0.15 perms (0.10 metric perms) @ 28-53 mils (1.1-1.27 mm) dry film thickness, tested at 73°F, 50% RH

ASTM E96, PROCEDURE A: 0.15 perms (0.10 metric perms) @ 50 mils (1.25 mm) dry film thickness

Meets the permeance requirements of ASTM C 755, Section 7.2.2 for below ambient vapor retarder coatings when used as a closure mastic in conjunction with ASJ and other vapor retarder membranes.

SURFACE BURNING CHARACTERISTICS ASTM E84

Flame Spread	5
Smoke Developed	0

Tested at coverage rate of 25 sq. ft./gal. (0.61 m²/l) in a 4" strip. Applied to 1/4 inch (6.4 mm) inorganic reinforced cement board.

WET FLAMMABILITY:

Flash point: none to boiling, 212°F (100°C)

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FOSTER® VAPOR-OUT™ COATING

Vapor-Out™ Coating 30-33 is a water-based vapor retarder coating for insulation on interior and exterior, low temperature and some dual temperature applications such as chilled water and refrigerated pipe lines, HVAC ducts and low temperature equipment. It is fast drying and forms a tough, flexible dry film which protects insulated surfaces and helps retard the flow of vapor through an insulation system. It has a smooth, creamy consistency that spreads easily and can be applied in a relatively heavy coating or brushed out into a thin, smooth film.

Vapor-Out™ Coating 30-33 can be used on most types of thermal insulations in both cold and dual temperature service. It is used to vapor seal the seams, overlaps and punctures from pins and staples in FSK, ASJ, white paper and polyester vapor barrier facings on insulation boards, duct wrap and pipe covering. It may also be used to seal cut ends of insulation to prevent moisture ingress and fiber release. It is compatible with fiberglass, mineral fiber, cellular glass, polyisocyanurate, polyurethane, polystyrene, phenolic, rubber foam and other insulations.

Vapor-Out™ Coating 30-33 features easy application by trowel or brush. It may be applied with Mast-A-Fab® or Chil-Glas® #10 glass fiber reinforcing mesh to increase film strength. See reverse side for application information.

ADVANTAGES

- Water-based for personal and environmental safety
- Fast drying formula enables maximum production rates
- Non-flammable - safe for transport, storage and usage
- Quick and efficient clean-up of tools and metal with warm water before coating completely dries
- Outdoor rated and U.V. resistant

Vapor-Out™ Coating 30-33 meets the requirements of:

- MAS Certified Green®
- California Dept. of Public Health Standard Method v1.2
- VOC Emissions and Content requirements to contribute to LEED v4 EQ Credit: Low Emitting Materials – Paints and Coatings
- Collaborative for High Performance Schools EQ 7.1
- Meets NFPA Standard 90-A and 90-B 25/50 requirements as a closure mastic.

VOC Content: 49 g/l, less water and exempt solvents



LIMITATIONS

Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

To resist rain washoff, allow at least 16 hours drying time above 50°F (10°C), with a relative humidity of 50%. Higher humidity and/or lower temperature may retard drying.

Always test foil and paper facings for acceptable adhesion before using.

Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/2" per foot (4 cm/m) is required.

H.B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER® VAPOR-OUT™ COATING 30-33

MATERIAL PREPARATION

Stir well, DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

APPLICATION – INDOOR AND LIGHT DUTY OUTDOOR

To prevent water vapor and moisture infiltration, proper and complete flashing is required. Follow flashing specifications.

To seal seams, overlaps, punctures, penetrations and terminations of vapor retarder membrane jacketing:

1. Apply tack coat of Foster Vapor-Out™ Coating (color as selected) at 2 gallons per 100 square feet (0.8 l/m²).
2. Where desired, embed Foster MAST-A-FAB® white membrane into the wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least two inches (5 cm).
3. Apply finish coat of Vapor-Out™ Coating, within 1/2 hour of the tack coat application, at 2 gallons per 100 square feet (0.8 l/m²).
4. This application shall provide a dry film thickness of 35 mils (0.9 mm).
5. Do not use with canvas or other closed weave cloth as a reinforcing membrane since the coating cannot properly penetrate the cloth.

BRUSH

Use a good brush (suitable for water-based paints), making strokes as long as possible over the surface. Apply with full brush and spread out evenly. Do not overwork.

CLEAN UP

Use fresh water for cleaning brushes and equipment before product dries. Dry product may be removed with hot soapy water (with ammonia added) or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).

CUSTOMER SERVICE: 800-832-9002

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

**For professional use only. Keep out of reach of children.
Consult Safety Data Sheet and container label for further information.**