



AMITY INSULATION GROUP INC.

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PROTHERM VAPOUR BARRIER MASTIC

Characteristics

Amity Protherm Vapour Barrier Mastic is an asphalt-based cutback type adhesive and vapour barrier coating designed to be used over insulation on piping and equipment components in low to moderately high temperature environments. Its trowel grade consistency provides an effective vapour barrier over a number of insulation materials such as polystyrene, polyisocyanurate (urethane), cellular glass, fiberglass, bead board and cork. The cured coating will form an impermeable tough and durable finish.



Amity Protherm Mastic should not be used where solvent odors may contaminate foods or other susceptible products.

Applied properly, the mastic will provide protection against moisture, fog, fumes, dust and chemical corrosives present within the atmosphere. Prior to application, the surface shall be firm and free from loose particles, cracks, grease, oil, frost, snow, ice and other foreign matter.

Our product is intended to be used in lower to medium temperatures and should not be exposed to high temperatures during the curing period.

Physical and Thermal Properties

Colour	Black
Solids	75% approximately
Weight	10 LB/Gal (1 KG/L)
Drying Time	24 Hours average
Application Temperature Range	10° to 38° C (50° to 100° F)
Temperature to which dry film is subjected	-51° to 163° C (-60° to 325° F)
Flammability	Wet = Flammable, Dry = burns
Moisture Presence	Less than .03 perms @ 1.5 mm wet film (ASTM E-96)
Water Content	1% Maximum
Approximate Flash Point	104°F (40°C)

Coverage

1/8" (3mm) Film	5 ft ² /gal (.32 m ² /L)
1/16" (1.5mm) Film	32 ft ² /gal (.65 m ² /L)
Spot application	100 ft ² /gal (2.0 m ² /L)
Bead application	100 ft ² /gal (6.7 m ² /L)
Notched Trowel	50 ft ² /gal (1.0 m ² /L)

Installation Instructions

If temperatures are 50°F (10°C) or below, please warm the material by leaving it in a heated building overnight. DO NOT USE FLAME TO HEAT.

Full coat and notched trowel application.

Apply adhesive at specified coverage to one or both surfaces to be bonded. Press insulation into place using a firm twisting motion to ensure even contact.

Spot application

Apply 3/4" x 3/4" (20mm x 20mm) gobs on 10" (25 cm) centers, press into place.

Bead application

Using a bulk caulking gun or pneumatic dispenser, extrude a continuous 5/16" (8 mm) bead on 8" (20 cm) centers. Keep adhesives with in 3" (8 cm) of the edge of the board. Press insulation into place.

When stored indoors in original, unopened containers at temperatures between 4-32 degrees C, optimum performance and best uses is obtained within two years of date of manufacture.

Tip: Always allow approximately 10 minutes between applying the adhesive and pressing the board into place. This will ensure optimum adhesion and reduce chances of solvent buildup behind the insulation.

PRECAUTIONS

Contains flammable solvents. Keep away from heat and open flame. Use in well-ventilated area. Do not use where solvent odors may contaminate foods or other susceptible products. Do not expose to high temperatures during curing period.

All information contained within this document is accurate to the best of our knowledge, but for specific terms and conditions, please refer to the Amity Sales Policy which is applicable for all shipments of material. Please contact your sales representative at Amity Insulation Group Inc. for further information if required.

