



HIGH VELOCITY MEMBRANE ADHESIVE

HIGH VELOCITY MEMBRANE ADHESIVE (HVMA) (18)

Order No. A172

*** NOTE: This products is NOT used for vertical applications.**

DESCRIPTION & APPLICATION

HVMA: Is a ready to use urethane asphaltic moisture cured membrane cold adhesive with low solvent percents. All seams are either hot air welded or heat welded using a propane torch. It is used for membrane adhesion in lieu of hot asphalt to acceptable and properly prepared low slope and horizontal substrates. See published Specifications and Approved Details.

COVERAGE & PACKAGING

Product/ Property	High Velocity Membrane Adhesive (HVMA)
Description	urethane bitumen membrane adhesive
Installation	squeegee applied
Packaging	5 gallon pail (18.9L) or 55 gallon drum (207.9L)
Application	1.5 - 2.0 gallons/100 ft ² (9.3 m ²) 2.0 to 2.5 gallons/100 ft ² (porous)

APPROVED THERMAL INSULATIONS & COVERBOARDS

- Sopraboard, one-eighth (1/8") inch (3.2 mm) minimum
- High Density Wood Fiber Board (HDWFB) coated six sides, one-half (1/2") inch (13 mm) minimum
- HDWFB, one-half (1/2") inch (13 mm) minimum
- Plywood, one-half (1/2") inch (13 mm) minimum, wood plank, three-quarter (3/4") inch (19 mm) minimum or structural use panels, seven-sixteenth (7/16") inch (11 mm) minimum
- ASTM C 1177 or ASTM C 1278 gypsum board, one-quarter (1/4") inch (6.4 mm) minimum
- Polyisocyanurate* flat stock, one and one-half (1 1/2") inch (38 mm) minimum (depending upon Listing), polyisocyanurate* tapered system, one-half (1/2") inch (13 mm) minimum (Depending upon Listing) with approved cover boards*.
- Vapor retarders, Sopralene Flam 180 or Sopralene 180 SP 3.5mm (heat welded only); Elastophene HD, Elastophene 180 Sanded, Sopralene 180 Sanded, Soprabase, Modified Sopra G, hot mopped or adhered with membranes and base sheets are mechanically fastened to acceptable substrates prior to the application of the cold applied roof assembly. Contact Soprema for special installation requirements; see published Specifications and Approved Details.

*Note: Industry standards recommend, FM Approvals and in some cases UL requires cover or rigid board be installed on top of polyisocyanurate insulations when applying cold adhesive systems. Generic cover boards are listed above.



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PHYSICAL PROPERTIES

Physical Properties	Value	ASTM
Density - lbs. per gallon	8.2	ASTM D1875
Color	Black	
Non-Volatile Content	100%	
Brookfield Viscosity - cps	200,000	ASTM D2556
Flash Point	260 F	Pensky Martens Closed Cup
VOC Content g/L	0	

LIMITATIONS

- Cold applied, heat welded, hot mopped or self-adhesive inner ply or field cap membrane ply are installed over a field base membrane ply installed in cold adhesive. See individual membrane application methods. It is necessary to allow a wait period of three (3) days or that additional amount of time necessary for the adhesive to cure prior to allowing foot, equipment traffic or new work to be performed over the applied field base membrane ply installed. When walking over the membrane, neither sunken footprint should be visible nor should the adhesive sustain a flame.
- Neither apply when ambient, membrane adhesive nor substrate surface temperatures are below fifty (50°) degrees F (10° C) or have not warmed to those minimum temperatures. All coverage rates are approximate, theoretical and do not account for waste, spillage, irregular surfaces and roof mechanic and/or roofing contractor's supervisor or Architect of Record on-site inspector instructions or their acceptance of per job application techniques. Rates also vary depending upon cold adhesive, surface substrate and surface temperature(s) during application. The contractor is ultimately responsible to determine; day-to-day limitations and when to terminate work on a given day because of those job-site limitations; how to maintain acceptable application and coverage ranges; and is responsible to complete the cold applied roof assembly that is acceptable to Soprema to issue a warranty and in effect successfully finished the roof assembly in accordance with Soprema General Requirements, Approved Details and Product Data Sheets.
- Do not apply to a wet or damp surfaces or to single-ply membranes.
- Use electric pail warmers to elevate membrane adhesive temperatures so that at point of application the minimum and raising adhesive temperatures are maintained.

APPROVALS

FM Approvals, Underwriters Laboratories, Inc. File #R11436, ICC/ES, Miami-Dade County, & Florida Building Code.

WARRANTY

Contact your local Soprema representative for project warranty offerings.