

BITEC® PMA-HV Membrane Adhesive, a premium single-part, highly elastomeric, modified urethane cold-process modified bitumen adhesive, is used in the installation of BITEC SBS modified bitumen cap sheets, base plies, and vapor retarders. PMA-HV Membrane Adhesive is solvent-free and requires no mixing. With a low VOC content of less than 250 g/L, PMA-HV Membrane Adhesive is approved for use in VOC regulated markets and can be installed with minimum disruption of business for most building owners. PMA-HV Membrane Adhesive forms a strong bond to most roofing substrates and provides excellent wind uplift protection.

FEATURES & BENEFITS

BITEC PMA-HV Membrane Adhesive Polymer Modified Adhesive also provides the following features and benefits:

- Approved substrates include: concrete, lightweight concrete, base sheets (sanded or smooth surfaced), smooth built-up roofs (re-roof applications), modified bitumen (sanded or granule surfaced), metal panels
- Single component requires no mixing
- VOC content less than 250 g/L
- Remains flexible and absorbs stresses
- No need for torches or kettles on the job, ensuring a more organized set-up and fewer odors
- Excellent wind uplift protection

PACKAGING

Package: 5-gal pails

Quantity per pallet: 36 5-gal pails

Pallets per truckload (typical): 18

APPROVALS

UL Classified

Miami-Dade County Approved

FM Approved

APPLICATION

The surface to be sealed must be clean, dry, and sound, as well as free of dirt, moisture, oils, algae, or other contaminants that may interfere with proper adhesion. Carefully remove any loose material from the surface with a wire brush or scraper. Grease and oil should also be removed with environmentally safe solvents or an appropriate cleaner. In most cases, a high-pressure water blast will be sufficient to prepare the surface. With all coatings and adhesives, proper preparation is key to yielding optimal results. BITEC always recommends adhesion testing prior to starting, especially with previously coated substrates.

Product application should be suspended immediately

and our technical service personnel contacted if the results being obtained are less than desirable.

Some substrates may require a primer - consult with BITEC Technical Services if there is any questions regarding substrate preparation.

PMA-HV Membrane Adhesive is ideal for roofing applications involving cold process membrane. PMA-HV Membrane Adhesive can be applied by notched or serrated squeegee at a rate of 1.5-2.0 gal/100 ft², resulting in an approximately 1/8" thick layer of adhesive. Immediately place the roofing membrane into the freshly applied PMA-HV Membrane Adhesive. Do not allow the adhesive to skin over. Broom or roll the membrane surface to ensure full contact. If using PMA-HV Membrane Adhesive for side laps, there should be a continuous bleed-out of adhesive present along all membrane side laps and head laps. For multi-ply applications, remove loose sand from the base ply surface and repeat the steps above. These instructions are provided for general use only.

Cold process roofs should have a minimum slope of 1/4" per foot to prevent standing water and should not be installed at temperatures below 40°F (4°C) or when rain is expected within 48 hours.

PMA-HV Membrane Adhesive should be installed by a professional roofing contractor with previous experience in the application methods described.

Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

As with any roofing project, good roofing practices should always be followed.

STORAGE & HANDLING

For best results, store PMA-HV Membrane Adhesive between 60°F (15°C) to 80°F (27°C) for at least 48 hours prior to use.

Store materials locked up and in a well-ventilated, dry, and temperature conditioned location. Keep containers tightly closed with the valve side up. When stored in the original, unopened containers between 40°F (4°C) and 100°F (38°C), the recommended shelf life is 12 months from the date of manufacture.

PRECAUTIONS

Do not apply to damp or wet surfaces, including primers. Allow solvent based primers to completely dry before applying adhesive. Do not apply when the surface temperature is below 40°F (4°C). Dispose of unused portions and empty containers in accordance with local regulations.

Safety first! The roofing contractor and employees are the key to success regarding safety. Safety should always be first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit www.bitec.com.

All information is given in good faith but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the improper application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of the warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of any BITEC products.

