

81 Modified Bitumen Adhesive

DESCRIPTION:

KARNAK 81 Modified Bitumen Adhesive is a PREMIUM COLD APPLIED, HIGH STRENGTH SBS POLYMER MODIFIED ASPHALT ADHESIVE that provides excellent adhesion and elongation properties.

FEATURES, BENEFITS AND ADVANTAGES:

1. UL approved.
2. Eliminates the need for torches and kettles
3. Excellent cure.
4. Tough, flexible, adhesive and cohesive film.
5. Excellent water and weather resistance.
6. Excellent general adhesive.
7. Excellent lap cement.
8. Good U.V. resistance.
9. Easy to apply.
10. Elastomeric, moves with substrate.

USES:

81 Brush-Grade is used to adhere SBS modified bitumen membranes, base and ply sheets. 81 Modified Bitumen Adhesive can also be utilized to adhere conventional BUR ply sheets or fully granulated cap sheets. 81 Trowel-Grade can be used to make repairs on existing modified applications and flashings on vertical surfaces, i.e. skylights, vents and pipes.

SURFACE PREPARATION:

All surfaces should be free from oil, grease, dirt and loose materials. All BUR surfaces should be patched and repaired with KARNAK 19 Ultra Rubberized Flashing Cement and KARNAK 31 Glass Membrane. Metal surfaces must have all rust and scales removed.

APPLICATION:

Apply 81 Modified Bitumen Adhesive Brush Grade on **Horizontal** surfaces at a rate of approximately 1-2 gallons per 100 square feet; irregular surfaces may require slightly more material. Do not apply adhesive directly to decking or sheathing. On **Vertical** surfaces apply 81 Modified Bitumen Adhesive Trowel Grade at 1/8" thickness (approx. 8 gallons per 100 sq. feet). 81 Modified Bitumen Adhesive may be applied by serrated squeegee, roller, brush or trowel. Application of one or multiple layer(s), allow a minimum of 15-20 minutes open air time before applying Cap Sheet or before each layer. Do not exceed 2 layers when installing with adhesive. **Cover all air intakes during application and while drying.** Application thickness, temperature, and number of membranes dictate how long it will take for the product to fully dry. Please consult membrane manufacturer for specific information and installation regarding their product.

KARNAK

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COVERAGE RATE:

Apply 81 Modified Bitumen Adhesive Brush Grade at the rate of 1 gallon per 100 sq. ft. On porous or irregular surfaces, 2 gallons per 100 sq. ft. may be required. 81 Modified Bitumen Adhesive Trowel Grade should be applied at 1/8" thickness (approx. 8 gallons per 100 sq. feet.)

SPECIFICATIONS:

ASTM D-3019 Type III, ASTM D-3409

PHYSICAL PROPERTIES:

Weight per Gallon:	8.65
Shear Strength:	26 lbs./sq. in.
Peel Strength:	13 lbs./lin. in.
Elongation:	250%
Recovery:	95%
Set Time:	24 to 48 hours
Dry Time:	Approximately 30 days
Application Temperatures:	40°F to 100°F

CAUTION:

Do not use near open flame. Material is for building exterior applications only. Avoid breathing solvent fumes and prolonged contact with skin. Excessive application may create blistering. Application below 40°F may take longer to cure. Do not take internally. If swallowed, **do not induce vomiting**. Call a physician immediately. Keep out of reach of children. Keep container covered when not in use. **Do not thin**. Dispose of in an environmentally safe manner. **Insure that proper ventilation is maintained during application and drying to prevent solvent fumes from entering the building.**

PACKAGING:

Available in 5 gallon pails and 55 gallon drums.

If further information is needed, contact Karnak Technical Services at 1-800-526-4236.

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