

# Product Information

## Kempertec Asphalt Cold Adhesive

Asphaltic Based, Cold Process Adhesive for SBS Membranes



### Product Description

Kempertec Asphalt Cold Adhesive is a cold-applied, single component, asphaltic based adhesive specially formulated for adhering Kemperol SBS modified bitumen membranes. The adhesive has flexible cohesive characteristics and eliminates the need for kettles and torches. Asbestos free – 100% recycled cellulose fibers.

### Use

Kempertec Asphalt Cold Adhesive is the only acceptable adhesive to adhere Kemperol SBS modified bitumen base and cap sheet membranes. Apply by spray or notched squeegee to approved substrates then adhere Kemperol modified bitumen membranes per specification. The adhesive can be used to bond gravel and mineral granules to BUR roof systems and modified cap sheets. Not recommended for use with thermoplastic or thermoset membranes.

### Yield

1.5 - 2.0 gal/100 s.f. (.06 - .08 L/m<sup>2</sup>). Coverage may vary with absorption rate.

### Storage

Store pails in a well-ventilated area far away from any heat source. Shelf life is 18 months from date of manufacture.

### Product Information

| Sustainability Information      |             |
|---------------------------------|-------------|
| Rapidly renewable resource      | n/a         |
| Recycled content % (post / pre) | n/a / 13.3  |
| Manufacture location            | Mississippi |

| Adhesive Properties |             |                               |
|---------------------|-------------|-------------------------------|
| Physical Properties | Test Value  | Test Procedure                |
| Weight/gal (lb)     | 9.5         | ASDM D2939                    |
| Solids Weight (%)   | >80         | ADM D1644                     |
| Flash Point (° F)   | >105        | PMCC                          |
| VOC (gm/L)          | <250        | Calculated                    |
| Viscosity - DSR     | 18,000 cps. | Shear 5/sec,<br>25 C, 1mm gap |
| Lap Shear Adhesion  | 45          | ASTM D3019,<br>Type III       |

### Surface Preparation

1. Surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit adhesion.
2. Kempertec Asphalt Primer is to be applied on appropriate substrates. Allow primer to dry prior to application of Kempertec Asphalt Cold Adhesive.
3. On recoveries, inspect the existing roof substrate for blisters, buckles, and raised edges. Check all flashings, edges, drains, valleys and vents. Repairs should be made as needed prior to the application.
4. Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar based products.

### Application

1. Do not apply if inclement weather is expected within 24 hours.
2. Do not use with organic saturated felts.
3. Do not use on TPO, EPDM, PVC, or other single ply membranes.
4. Not to be installed over or under polystyrene insulation.
5. Not recommended for applications on substrates that exceed 140 °F.
6. Close air intakes on roof until the solvent dissipates.
7. The Kemperol SBS membranes may be installed over the approved substrates in a continuous layer of adhesive in lieu of heat welding. The Kempertec Asphalt Cold Adhesive shall be applied by spray or notched squeegee in a uniform layer at an approximate rate of 1.5 - 2 gallons per 100 s.f. (0.6 - 0.8 L/m<sup>2</sup>). Coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique. Apply adhesive in 35° F and rising ambient temperature. Store the product at room temperature for 24 hours prior to application.
8. Apply the Kemperol SBS base sheet membrane into the adhesive layer within 15 minutes of the adhesive application. Ensure the membrane was allowed to relax and re-rolled. Make sure the

- membrane is lying flat and making full contact with adhesive. Roll all side and end laps making sure sufficient amount of adhesive is applied so that a bead is visible at all lap edges.
9. For two layer applications, after installing the base sheet, wait 3 to 7 hours to allow adhesive to set before installing the SBS Cap membrane.
  10. The adhesive may be used on slopes up to 1.5"/ft, greater slopes will require back-nailing.

**Disposal**

Use all product before discarding empty container. Uncured Kempertec Asphalt Cold Adhesive must be handled accordance with local, state and federal regulations.

**Ordering Information**

Kempertec Asphalt Cold Adhesive

Item#:

Size:

KMB-CAA-5

4.75 gal GAL (18 L); 36 pails/pallet, approx. 1,686 lbs (764.76 kg)