

VERSICO'S COLD APPLIED ADHESIVE

GENERAL:

Versico's Cold Applied Adhesive is an asphalt-modified polyether adhesive. This adhesive can be used with all VersiFleece AC TPO membranes as a one-sided, wet lay-in adhesive. Cold-Applied Adhesive is approved for direct application to the following insulations: Polyisocyanurate, Recovery Board, DensDeck®, and DensDeck Prime, and the following decks: wood, cellular or perlite lightweight concrete, gypsum, and structural concrete. It is also approved with existing smooth BUR, mineral surfaced cap sheet or SBS modified bitumen in conjunction with the use of an ASTM D-41 approved cut-back asphalt primer and/or power washing.

TYPICAL PROPERTIES AND CHARACTERISTICS*:

Base:	Asphalt-modified polyether
Color:	Dark brown to black
Solids:	100%
Brookfield Viscosity:	25,000 - 30,000 Centipoise @ 70°F
Average Net Weight:	11.1 lbs/gal
Packaging:	5-gallon pail
Shelf Life:	9 months when stored below 90° F
VOC:	0 grams per liter

CAUTIONS AND WARNINGS:

1. Review the applicable Material Safety Data Sheet for complete safety information prior to use.
2. Keep container closed when not in use.
3. If swallowed, **DO NOT INDUCE VOMITING.** Call a physician immediately.
4. Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician immediately.
5. Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
6. Job site storage temperatures in excess of 90°F (32°C) will affect product shelf life and will reduce the viscosity of the adhesive, increasing the potential for fleece saturation. Store Cold Applied Adhesive out of direct sunlight when temperatures exceed 90°F.
7. Do not store below 40°F (4°C). The adhesive must be greater than 70°F before it is applied.
8. Do not thin Cold Applied Adhesive.
9. Carlisle's Cold Applied Adhesive is to be applied when the ambient temperature is 40°F (4°C) and rising. Do not apply if ambient temperature will drop below 30°F (-1°C) within 8 hours.
10. Opened containers of adhesive should be used within 2-3 weeks. The adhesive will form a thick surface skin once opened. Adhesive can be used once the layer of skin is removed.
11. **KEEP OUT OF THE REACH OF CHILDREN.**

COVERAGE RATES:

Coverage rate is 67 square feet (6.2 sq m) (26-mils) per gallon for smooth surfaces and 50 square feet gallon (4.6 sq m) (32-mils) for uneven or semi-absorbent surfaces when applied to one substrate for wet lay-in with AC membranes. Coverage rates are based on averages and may vary due to conditions such as insulation type, surface temperature, air temperature and adhesive temperature as well as application method.

APPLICATION: **

1. The surface, on or against which adhesive is to be applied, shall be clean, smooth, dry, and free of fins, sharp edges, loose and foreign materials, oil and grease. Depressions greater than 1/4" (6 mm) shall be feathered using epoxy, mortar or other approved patching material. All sharp projections should be removed by scraping, sweeping, blowing, vacuum cleaning, etc.
2. For surfaces that require priming with cut-back asphalt primer, primer must be allowed to dry for a minimum of 5 to 7 days prior to the application of the Cold Applied Adhesive.
3. Power washing is an approved alternative to cut-back asphalt primer over certain rooftop substrates.
4. Application methods:
 - a) Squeegee - Apply adhesive to the substrate in a bead or serpentine pattern. Using a 1/8" notched squeegee, spread adhesive to acquire specified coverage rates.
 - b) Roller – Using a medium nap roller, apply Cold Applied adhesive to substrate to acquire specified coverage rates.
 - c) The SuperSpreader – (Versico Cold Applied Edition from Roof Top Equipment) - Follow the manufacturers safety and use procedures. When using a spreader to apply Cold Applied Adhesive, squeegee or back roll adhesive to obtain proper coverage.
5. Hot Weather Application Tips:
 - a) Store material out of direct sunlight.
 - b) Take extra care not to exceed recommended coverage rates.
 - c) Broom installed membrane rather than rolling when ambient temperatures exceed 75° F to prevent fleece saturation.

Field Sheets:

Coat the substrate with Cold Applied Adhesive and roll AC membrane into the wet adhesive. If adhesive has become tack free, recoat with additional adhesive. Broom or roll with a maximum 2.5–5.0 lb/in weighted roller to achieve maximum contact (a 30" roller should weigh no more than 75-150lbs). Avoid excessive rolling of the membrane. Rolling once or twice is sufficient. Use of a weighted roller is not allowed when installing Cold Applied Adhesive over an existing smooth surface asphalt roof or when temperatures exceed 75° F. Brooming the sheet is required in this situation to avoid saturating the AC fleece. All adhesive residues in the splice area must be removed before splicing.

Vertical Walls

1. Perimeter and angle change securement is required. Review current Versico Specifications and Details for specific application requirements.
2. Coat the AC fleece backing with G200SA Substrate Adhesive or Aqua Base 120 Bonding Adhesive and allow to dry. Apply a standard coat of adhesive to the wall and a second coat to the fleece backing and allow to dry. Mate the membrane with the adhesive coated wall, while avoiding wrinkles. Immediately broom the bonded portion of the sheet with a soft bristle push broom to achieve maximum contact. Standard non-fleece membrane may be used for walls and curbs.

The product is approved for use by Versico authorized roofing contractors only and is for use in Versico roofing and waterproofing installations.

* General properties. Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.

** Review current Versico Specifications and Details for specific application requirements.