# WeatherBond

## Cold Applied Adhesive

## Overview

WeatherBond's Cold Applied Adhesive is a solvent-free, asphalt-modified polyether adhesive. This adhesive can be used with WeatherBond TPO AC Fleece membranes as a one-sided, wet lay-in adhesive. Cold Applied Adhesive can be used to lay-in WeatherBond base sheets and is approved for direct application to the following insulations: WeatherBond Polyisocyanurate, SecurShield, SecurShield HD, WeatherBond Recovery Board, DensDeck®, DensDeck® Prime and SECUROCK®. It is also approved for direct application to the following deck types: wood, cellular or perlite lightweight concrete, gypsum and structural concrete. Cold Applied Adhesive is also approved with existing smooth BUR, mineral-surface cap sheets or SBS modified bitumen in conjunction with the use of a power washer.

## Features and Benefits

- Low VOC and low odor
- Safe installation for occupied buildings
- Direct application to sensitive materials such as EPS insulation or wood fiber recovery board
- No torches or kettles required
- OSHA®-compliant

## Characteristics

| | |
|---|---|
| Base | Asphalt-modified polyether |
| Color | Dark brown to black |
| Solids | 100% |
| Average Net Weight | 11.1 lbs/gal |
| Packaging | 5-gallon pail |
| Shelf Life | 9 months when stored below 90°F (32°C) |

## Coverage Rate

Coverage rate is 67 ft$^2$ (6.2 m$^2$), or 26 mils, per gallon for smooth surfaces and 50 ft$^2$ (4.6 m$^2$), or 32 mils, for uneven or semi-absorbent surfaces when applied to one substrate for wet lay-in with AC membranes.

Based on averages. Actual coverage rates may vary due to conditions such as substrate type, surface temperature, air temperature, adhesive temperature and 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 ¼" (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. Substrates shall be power-washed to remove accumulated dirt. Cut back primer should not be used for preparing substrate.
3. Application methods:
    a. Squeegee – Apply adhesive to the substrate in a bead or serpentine pattern. Using a flat-blade 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 – Follow the manufacturer's safety and use procedures. When using a spreader to apply Cold Applied Adhesive, squeegee or back-roll adhesive to obtain proper coverage.
4. Hot Weather Application Tips:
    a. Store material out of direct sunlight.
    b. Take extra care not to exceed recommended coverage rates.
    c. Broom-install membrane rather than rolling when ambient temperatures exceed 75°F (24°C) to prevent fleece saturation.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC APPLICATION REQUIREMENTS.

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## Field Sheets

1. Coat the substrate with Cold Applied Adhesive and roll AC membrane into the wet adhesive.
2. If adhesive has become tack-free, recoat with additional adhesive.
3. Broom or roll with a maximum 2.5–5.0 lb/inch weighted roller to achieve maximum contact (a 30" roller should weigh no more than 75 lbs). Avoid excessive rolling of the membrane. Rolling once or twice is sufficient.
4. 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 (24°C).
5. 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 WeatherBond Specifications and Details for specific application requirements.
2. Coat the AC fleece backing with LC-60 Bonding Adhesive, Low-VOC 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 use of this product requires prior approval from WeatherBond.**

## Precautions

1. Review the applicable 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. Jobsite 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 (32°C).
7. Do not store below 40°F (4°C). The adhesive must be greater than 70°F (21°C) before it is applied.
8. Do not thin Cold Applied Adhesive.
9. 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.

## LEED® Information

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|---|---|
| Pre-consumer Recycled Content | 0% |
| Post-consumer Recycled Content | 0% |
| VOC Content | 32 grams/liter |
| Manufacturing Location | Kalamazoo, MI |

## Typical Properties and Characteristics

| | | | Specification Limits | |
|---|---|---|---|---|
| | **Test Methods** | **Test Conditions** | **Minimum** | **Maximum** |
| Specific Gravity | Density Cup | 23° ± 2°C | 11.1 lbs/gal | 11.5 lbs/gal |
| Viscosity | Brookfield T-bar spindle | 23° ± 2°C | 20,000 cP | 35,000 cP |
| Tack-free Time | ASTM C0679 | 23v ± 2°C | 60 minutes | 160 minutes |
| Low-temp. Flex | ASTM D816 | -10°F | Pass | |
| Shrinkage | Vendor method | 14-day cure @ 23° ± 2°C | No measurable shrinkage | |

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 range for any particular property of this product.

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