

90-8-30A Bonding Adhesive



Overview

Carlisle's 90-8-30A Bonding Adhesive is a high-strength, solvent-based contact adhesive that enables quick bonding of cured flashings and EPDM membranes to various substrates. This adhesive is specially formulated for application with a ½" (13 mm) medium nap roller. 90-8-30A Bonding Adhesive is compatible with Carlisle's InsulBase® and SecurShield® polyisocyanurate insulation, SecurShield HD, structural and lightweight insulating concrete, APA non-fire treated plywood, oriented strand board, wood fiberboard, SECUROCK®, DensDeck® Prime, masonry, and various metal finishes.

Features and Benefits

- » High-strength adhesive that allows quick bonding
- » Compatible with all EPDM membranes (excluding FleeceBACK®)
- » Can be applied with a medium nap roller for ease of application
- » Provides excellent adhesion between EPDM membranes and various substrates

Mixing

Stir thoroughly until all settled pigments are dispersed and the cement is uniform in color; a minimum of five minutes stirring is recommended.

Coverage Rate

The coverage rate for 90-8-30A Bonding Adhesive is 60 square feet (5.6 m²) per gallon (finished surface). Porous surfaces and substrates may require more adhesive than the typical coverage rate.

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 shall be removed by sweeping, blowing, or vacuum cleaning.
2. After thorough stirring (minimum 5 minutes), apply adhesive to substrate and membrane using a 9" (230 mm)-wide medium nap roller. Application shall be continuous and uniform; avoid globs or puddles. Adhesive must be allowed to flash off until it does not string but remains tacky to a dry finger touch. Any coated area that is exposed to rain should be allowed to properly flash off, then recoated.
3. Do not apply this adhesive to splice areas or in conjunction with Carlisle's Pressure-Sensitive products.
4. Mate the membrane with the adhesive-coated substrate, while avoiding wrinkles. Immediately brush down the bonded portion of the sheet with a soft-bristle push broom or a clean, dry roller applicator to achieve maximum contact. In some applications, swelling of the membrane may occur initially, but this will disappear after several days' exposure. Do not re-broom membrane in an attempt to remove swelling.

Review Carlisle specifications and details for complete installation information.

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Precautions

- » Review the applicable Safety Data Sheet for complete safety information prior to use.
- » Bonding adhesives are **EXTREMELY FLAMMABLE**. They contain materials that are a dangerous fire and explosion hazard when exposed to heat, flame, or sparks. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Do not use in a confined or unventilated area. Vapors are heavier than air and may travel along ground to a distant ignition source and flash back. A red caution label is required when shipping.
- » During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesives near fresh-air intake units. When possible, shut down or seal off the closest units.
- » Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
- » If swallowed, **DO NOT INDUCE VOMITING**; call a physician immediately.
- » 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.
- » Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
- » Note: Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are recommended to be worn when using this product to protect hands from irritating ingredients.
- » Do not thin the adhesive. Thinning will affect performance.
- » Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life. Do not store sealed containers on roof for extended periods of time. Should the adhesive be stored at temperatures below 60°F (15°C), restore to room temperature prior to use.
- » Open containers of adhesive should be used within 48 hours. The adhesive will begin to thicken after this time, making it difficult and eventually impossible to control its thickness.
- » **KEEP OUT OF THE REACH OF CHILDREN.**

Typical Properties and Characteristics

Base	Synthetic Rubber
Color	Yellow
Solids	18 – 22%
Flash Point	-4°F (-20°C) Closed Cup
Average Brookfield Viscosity	2,500 Centipoise
VOC	660 g/l
Average Net Weight	7.10 lbs/gal (0.85 Kg/L)
Packaging	5 gallon pail
Shelf Life	1 year

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.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA
VOC Content	660 g/L