



CARLISLE'S **90-8-30A** **BONDING ADHESIVE**



Overview

Let Carlisle simplify your next EPDM installation with its 90-8-30A Bonding Adhesive. 90-8-30A Bonding Adhesive is a high-strength, solvent-based contact adhesive that enables quick bonding of cured flashings and membranes to various substrates. This adhesive is specially formulated for application with a 1/2" (13 mm) medium nap roller. This Bonding Adhesive is designed for bonding all Carlisle EPDM to various substrates.

Intended Uses

90-8-30A Bonding Adhesive is ideal for bonding cured flashings and membranes to various substrates.

Features and Benefits

- High-strength adhesive that allows quick bonding
- Can be applied with a medium nap roller for ease of application
- Provides excellent adhesion between various substrates and EPDM membrane

Mixing

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

Coverage Rate

60 square feet (5.6 m²) per gallon (finished surface). Porous surfaces and substrates may require more bonding 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 1/4" (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 bonding adhesive to substrate and membrane using a 9" (230 mm) wide, 1/2" (13 mm) medium nap roller. Application shall be continuous and uniform, avoiding globs or puddles. Bonding adhesive must be allowed to dry until tacky but does not string or stick to a dry finger touch. Any coated area that is exposed to rain should be allowed to dry and then recoated. Do not apply adhesive to splice areas or in conjunction with Carlisle's PS tapes.
3. 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 CURRENT CARLISLE SPECIFICATIONS AND DETAILS FOR SPECIFIC APPLICATION REQUIREMENTS.



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Precautions

- Review the applicable Material Safety Data Sheet for complete safety information prior to use.
- Bonding Adhesive is **EXTREMELY FLAMMABLE** - It contains solvents that are dangerous fire and explosion hazards when exposed to 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 or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point and flashback. All containers should be grounded when material is transferred from one container to another. A red caution label is required when shipping. A fire extinguisher should be available. In case of fire, use water spray, foam, dry chemical or carbon dioxide. Do not use a solid stream of water because it can scatter and spread the fire.
- 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. During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh-air intake units. When possible, shut down or seal off the closest units.
- 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 clean 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 bonding adhesive. Thinning will affect performance. Excessively thick or gelled material should be discarded.
- Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life. Should the bonding adhesive be stored at temperatures below 60°F (15°C), restore to room temperature prior to use.
- These materials are sensitive to atmospheric moisture; heat will accelerate the effect of moisture. Opened containers of bonding adhesive should be used within 48 hours. Adhesive will begin to thicken after this point, making it difficult, and eventually impossible, to control adhesive thickness. In hot weather, do not leave sealed containers on roof for prolonged periods of time. In cold weather, keep material at room temperature until ready to use. Stir adhesive occasionally while using.
- Coverage rates are average and may vary due to conditions on the jobsite.
- KEEP OUT OF THE REACH OF CHILDREN.**

90-8-30A Bonding Adhesive

Typical Properties and Characteristics*

Base	Synthetic Rubber
Color	Yellow
Solids	18 – 22%
Flash Point	-4°F (-20°C) Closed Cup
Average Brookfield Viscosity	3,200 Centipoise
VOC	660 grams/liter
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 or specification range for any particular property of this product.