

WATERPROOFING

Sure-Seal® 90-8-30A Bonding Adhesive

Description

Bonding Adhesive is a high-strength solvent-based contact adhesive that allows quick bonding of cured flashings and membranes to various substrates. It is a synthetic rubber adhesive formulated specifically for application with a ½" (13 mm) medium nap roller with enough versatility in the tack time of the film to allow large areas to be coated and adhered at one time. Sure-Seal 90-8-30A Bonding Adhesive is designed for bonding EPDM and epichlorohydrin membranes to various substrates.

Installation

The surface, on or against which adhesive is to be applied, shall be clean, smooth, dry, 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.

After thorough stirring (minimum 5 minutes), apply bonding adhesive to substrate and membrane using a 9" (230 mm) wide ½" (13 mm) medium nap roller. Application shall be continuous and uniform avoiding globs or puddles. Bonding Adhesive must be allowed to dry until it does not string or stick to a dry finger touch. Any coated area that is rained on should be allowed to dry and then recoated. Do not apply adhesive to splice areas. Note: Stir thoroughly until all settled pigments are dispersed and the cement is uniform in color. Minimum 5 minutes stirring is recommended.

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 rebroom membrane in an attempt to remove swelling.

Coverage Rate

60 square feet (5.6 sq m) per gallon (finished surface). Porous surfaces and substrates may require more bonding adhesive than typical coverage rate. Coverage rates are average and may vary due to jobsite conditions.

Warnings and Hazards

- Review the applicable Material Safety Data Sheet for complete safety information prior to use.
- Bonding Adhesive is **EXTREMELY FLAMMABLE**. It contains petroleum distillates that are dangerous fire and explosion hazards 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.
- 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.
- Do not thin Bonding Adhesive. Thinning will affect performance. Excessively thick or jelled material should be discarded.
- 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.
- **KEEP OUT OF THE REACH OF CHILDREN.**

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Storage

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.

Packaging

5 gallon pails

Typical Properties

Property	Typical Value
Base	Synthetic Rubber
Color	Yellow
Solids	18-22%
Flash Point	-4°F (-20°C) Closed Cup
Brookfield Viscosity	3,200 Centipoise
Avg Net Weight	7.10 lb/gal (0.85 Kg/l)
Shelf Life	1 year

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.