

TECHNICAL INFORMATION SHEET

EPDM Bonding Adhesive BA-2004(T)

Item Description

Bonding Adhesive

Item Number

W563587052



Product Information

Description:

Firestone EPDM Bonding Adhesive BA-2004 (T) is a solvent based contact adhesive designed specifically for bonding Firestone RubberGard™ membranes and flashings to ISO 95+™ GL / ISOGARD™ insulations, wood, metal, masonry and other acceptable substrates.

Method of Application:

1. Surfaces to receive EPDM Bonding Adhesive BA-2004 (T) shall be clean, smooth, dry, free of sharp edges, loose and foreign materials, oil, grease, and other contaminants. Sweep the mating surface of the membrane with a stiff broom to remove excess dusting agent, if present, or other contaminants from the mating surface.
2. Stir the adhesive thoroughly before and during use, achieving a uniform mix with no sediment on the bottom and no marbling evident.
3. Apply adhesive at about the same time to both the exposed underside of the sheet and the substrate to allow approximately the same flash-off time.
4. EPDM Bonding Adhesive BA-2004(T) may be applied with a solvent-resistant paint roller or mechanical equipment designed to apply flammable solvent based adhesives.
5. Apply by rolling the adhesive on both mating surfaces. EPDM Bonding Adhesive BA-2004(T) should be applied evenly so as to avoid globs or puddles.
6. As an option, spray EPDM Bonding Adhesive BA-2004(T) and back-roll the adhesive uniformly and evenly with a solvent-resistant paint roller. **Care must be taken not to apply EPDM Bonding Adhesive BA-2004(T) over any area that will later be cleaned and spliced to another sheet or flashing.**
7. Allow EPDM Bonding Adhesive BA-2004(T) to flash off until tacky. Touch the EPDM Bonding Adhesive BA-2004(T) surface with a clean, dry finger to be certain that the adhesive is dry and does not stick or string. While pushing straight down to check for stringing, also push forward on the adhesive at an angle to ensure that the adhesive is ready (flushed off) throughout its thickness. If either motion exposes wet or stringy adhesive when the finger is lifted, then it is not ready for mating. Flash-off time will vary depending on ambient air conditions.
8. Starting at the fold, roll the previously coated portion of the sheet into the coated substrate slowly and evenly so as to maintain position and minimize wrinkles.
9. To ensure proper contact, compress the bonded half of the sheet to the substrate with a stiff push broom using heavy pressure.

Storage:

- Store in original unopened containers at temperatures between 60 °F (16 °C) and 80 °F (27 °C) until ready for use.
- For optimum results, rotate stock to ensure stored material has not exceeded the shelf life of one year.
- Shelf life of one year can be expected if stored in original sealed container at temperatures between 60 °F (16 °C) and 80 °F (27 °C). If exposed to lower temperatures, restore to room temperature prior to use.
- Shelf life will be shortened if exposed to elevated temperatures.

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Precautions:

- Flammable. Keep away from fire and open flame and other possible ignition sources during storage and use. Do not smoke when using.
- Harmful or fatal if swallowed.
- Avoid prolonged inhalation.
- Avoid prolonged contact with skin. Gloves should be worn (OSHA approved).
- Avoid eye contact by wearing safety glasses with side shields or safety goggles.
- For professional use only.
- Keep out of reach of children.
- Thinning is not allowed.
- Do not use for splicing.
- Do not use with TPO or TPO XR membranes.
- Use only in well ventilated areas.
- Cover tightly when not in use.
- Review Safety Data Sheet specified on the Bonding Adhesive container label.
- Recommended cleaner is Firestone Splice Wash SW-100 Cleaner.

LEED® Information:

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: South Bend, IN

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Typical Properties

Base	A blend of Polychloroprene and SBR rubbers
Color	Yellow
Solvents	A blend of Acetone, Hexane, Toluene and Xylene
Solids	≥ 23
Viscosity	3,300-3,800 cps, with R.V.F. #3 spindle @ 10 rpm
Weight/Gallon	6.7 - 7.4 lb/gal
Specific Gravity	0.803 – 0.887
V.O.C. Content	5.282 lb/gal (633 g/L)

Packaging Data

Pail	5 gal (18.9 L)
Weight	41 lb (18.6 kg)
Coverage	A coverage rate of 45 - 60 ft ² /gal (1.10 – 1.47 m ² /L) may be obtained depending on the substrate. Some insulation surfaces are more uneven and porous and will result in a lower coverage rate while smooth non-porous substrates will result in higher coverage rates. Rates are based on roller application to both mating surfaces. Very porous substrates (rough wood, concrete block) may require <u>two</u> coats of EPDM Bonding Adhesive BA-2004(T), to ensure proper adhesion. This can be determined by adhering a small piece of membrane to the porous substrate to verify the bonding strength.
Units per Pallet	45 – 5 gal pails

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Approved Power Application Equipment:

Garlock 25ST Roller Boss Power Roller

4 hp Honda Engine, 4 CFM Compressor, 25 gal pressurized supply tank (20 gal for material; 60-80 psi), up to 100 psi rating, 2 – ¾" x 30' supply hoses with swivels, 2 – 18" roller head assemblies



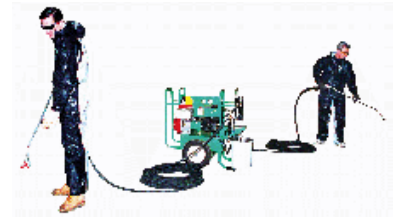
Garlock 2120 Commander Sprayer

18 hp Kohler Engine, 4500 psi Rating, 5 gallon per minute flow, 1200 psi pressure (minimum), Pump Displacement 45:1, GPM Rating: up to 5 GPM, ½" x 100' hose, 2" Intake pipe with screen, 5 or 55 gal drum containers, Graco Spray Tips: .023 to .031 diameter hose



Garlock Twin Gun Airless Sprayer

6.5 hp Honda Engine, 3000 psi Rating, Pump Displacement 30:1, GPM Rating: up to 1 gpm, Up to 400' of single ½" diameter hose, Up to 200' of dual ½" diameter hose, ¾" Intake pipe with screen, 5 or 55 gal drum containers, Bulk tank containers, Graco Spray Tip: .019 to .025 diameter hose (1850 psi operating pressure)



Graco Spray Equipment:

P70EC4-70 – 70:1 Xtreme Sprayer Package w/Heavy Duty car, Hopper package, w/NXT motor and Data Track, Xtreme-Duty high pressure hose, ¾" x 50', 7250 psi, with ¼" x 6' whip hose, XTR-7 applicator with XHD821-825 tip.



Please contact Firestone Technical Services at 1-800-428-4511 for further information.

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