

Bonding Adhesive (BA-2004(T))

1. Description

Bonding Adhesive is a solvent based contact adhesive designed specifically for bonding Firestone RubberGard EPDM membranes to approved insulations in addition to wood, metal, masonry and other acceptable substrates.

2. Preparation

Surfaces that will receive Firestone Bonding Adhesive must be clean, smooth, dry, free of sharp edges, loose and foreign materials, oil, grease, and other contaminants. The mating surface shall be cleaned with a brush or clean rag. Stir the adhesive thoroughly (to achieve a uniform mix with no sediment on the bottom and no marbling evident) before and during use. Restore the adhesive to room temperature prior to use, if exposed to temperatures lower than 15°C for a prolonged period.

3. Application

Apply Bonding Adhesive at about the same time to both the exposed underside of the sheet and the substrate to which it will be adhered so as to allow approximately the same drying time.

Apply Bonding Adhesive evenly avoiding areas of accumulation. Apply the Bonding Adhesive with a solvent resistant roller, and roll the adhesive onto the mating surfaces. When applying Bonding Adhesive, ensure complete uniform coverage of both surfaces that will be adhered. Care must be taken not to apply Bonding Adhesive over seam areas. Bonding Adhesive can be dispensed by means of RoofTop SuperSpreader in order to achieve a more uniform coverage and obtain higher coverage rates. Allow adhesive to flash off until tacky (time depending on ambient air conditions) prior to mating the surfaces. Test the adhesive for its dryness, using the touch-push test procedure.

4. Coverage

Coverage rates depend on the smoothness of substrate and method of application.

- Manual application: between 5 and 7 m² per gallon (two sides).
- SuperSpreader: between 7 and 9 m² per gallon (two sides).

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.

Very porous substrates (rough wood, concrete block) may require two coats of Bonding Adhesive, to ensure proper adhesion. This can be determined by testing a small area. Check by adhering a small piece of membrane to the porous substrate to verify the bonding strength.

5. Characteristics

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| Physical | ■ Excellent resistance to aging. |
| | ■ Good resistance to heat and cold. |
| | ■ Excellent tack time for versatility of installation. |
| | ■ Outstanding adhesion to approved substrates for maximum performance. |

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| Technical | ■ Base | blend of Neoprene and SBR rubbers |
| | ■ Colour | Yellow |
| | ■ Solvents | Acetone, Hexane, Toluene and Xylene |
| | ■ Viscosity (cp) | 3,300-3,800 |
| | ■ Specific gravity | 0.7909-0.8868 |

6. Packaging / Storage / Shelf Life

Packaging: 18.9 l (5 gallon) pail.

Storage: store in original unopened containers at temperatures between 15°C - 25°C until ready for use. Keep the material out of direct sunlight until ready for application.

Shelf life: 12 months can be expected if stored in above-mentioned conditions. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories. Quality and applicability should thus always be verified: when mixed, product should stir into a smooth and homogeneous blend with no evidence of major clumping or separation/phasing.

7. Precautions

Refer to Material Safety Data Sheet. Flammable. Keep away from fire and open flame and other possible ignition sources during storage and use. Do not smoke when using. Use only in well ventilated areas. Avoid prolonged contact with skin. Do not contaminate with foreign materials. For professional use only. Keep out of reach of children. Thinning is not allowed.

