

Technical Information Sheet

Bonding Adhesive BA-2012

1. Description

Firestone Bonding Adhesive BA-2012 is a solvent-based contact adhesive designed specifically for bonding Firestone EPDM membranes to approved insulations in addition to wood, metal, masonry and other acceptable substrates.

2. Preparation

Surfaces that will receive Bonding Adhesive BA-2012 must be clean, smooth, dry and free of sharp edges, loose and foreign materials, oil, grease and other contaminants. If necessary, the mating surface shall be cleaned with a brush or clean rag. Remove any moisture or contaminants from the surface prior to applying the adhesive. Restore the adhesive to room temperature (15°-25°C) before use if the product has been exposed to temperatures below 10°C for a prolonged period. Stir the adhesive thoroughly to achieve a uniform mix with no sediments on the bottom and no marbling evident before and during use.



3. Application

Apply Bonding Adhesive BA-2012 at about the same time onto both surfaces to be adhered, in order to allow approximately the same drying time. The adhesive can be manually applied using a solvent resistant roller, can be dispensed by means of a Rooftop SuperSpreader or can be applied using approved spray equipment. The latter methods may be used to achieve a more uniform coverage and obtain higher coverage rates. Contact Firestone for detailed information about SuperSpreader and spray equipment.

Apply Bonding Adhesive BA-2012 evenly, avoiding areas of accumulation onto the mating surfaces. When applying Bonding Adhesive BA-2012, ensure complete uniform coverage of both surfaces to be adhered. Care must be taken not to apply Bonding Adhesive BA-2012 over seam areas.

Application temperatures may vary between 5°C and 35°C. At temperatures below 10°C the adhesive may become too cold, while at temperatures above 35°C the membrane surface may become too hot and will shorten significantly the drying process. Allow the 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.

Check also thoroughly whether there is sufficient adhesion if the surface is porous and apply an extra layer if necessary.

4. Coverage

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

- Roller application: 2.35 to 3 m² of roof surface (two sides) / Litre
- SuperSpreader and sprayer: 2.75 to 3.50 m² of roof surface (two sides) / Litre

Some insulation surfaces are more uneven and porous and will result in lower coverage rates, while smoother substrates are less porous and will therefore result in higher rates.

Very porous substrates (rough wood, concrete block) may require an additional coat of Bonding Adhesive BA-2012 to ensure proper adhesion. This can be determined by adhering a small piece of membrane to the substrate and verify its bonding strength.

5. Characteristics

Physical	<ul style="list-style-type: none">• 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
Technical	<ul style="list-style-type: none">• Base Blend of synthetic rubbers• Colour Green• Solvents Naphtha, Cyclohexane, Propylacetate, Butanone• Solids (%) 40 ± 3%• Viscosity (cP) 1200-1600• Specific gravity 0.81-0.85

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6. Packaging / Storage / Shelf Life / Disposal

Packaging	<ul style="list-style-type: none">• 2.5 L; 5 L; 10 L and 20 L pails
Item Numbers	<ul style="list-style-type: none">• W563587100 – 2.5 L pail• W563587101 – 5 L pail• W563587102 – 10 L pail• W563587103 – 20 L pail

Storage: Store in original unopened pails at moderate temperatures (15°C - 25°C) in a dry, well-ventilated area. Keep away from heat, sparks and open flame. Protect from direct sunlight and do not expose to temperatures exceeding 35°C. If necessary, use an insulated box to maintain the product at moderate temperatures during transport to the job site, before and during application. This will assure the appropriate viscosity, efficiency and performance of the adhesive.

Shelf life: 12 months can be expected if stored in the 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.

Disposal: Make sure that the pail is empty prior to disposal. Adhesive cannot be disposed in drains.

7. Precautions

Refer to Material Safety Data Sheet. Flammable. Keep away from 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.

Protect all roof openings, objects and persons subject to exposure to the adhesive. This includes but is not limited to:

- Cars parked adjacent to the building receiving the adhered roofing membrane,
- Air intakes / exhausts on the roof,
- HVAC units, drains, access hatches, skylights and windows and any other item or person which may be downwind from application of the adhesive.

Do not apply the adhesive when wind conditions are not favorable.