



All Purpose Bonding Adhesive

Description

GenTite All Purpose Bonding Adhesive is a solvent based contact adhesive designed for bonding Rubber Roofing (Black), Rubber Roofing (White), and TPO Roofing (White) to substrate, such as insulations, wood, metal, concrete and other acceptable substrates.

Installation

Refer to current GenTite Application Instructions for additional application instructions.

A. Horizontal

1. Bonding surfaces must be clean, smooth, dry, and free of sharp edges, loose materials and other contaminants.
2. Stir the adhesive thoroughly before and during use to achieve a uniform mix with no sediment on the bottom and no marbling evident. **DO NOT THIN MATERIAL.**
3. Fold roofing membrane back so one-half ($\frac{1}{2}$) of the underside of the panel is exposed.
4. Apply the Bonding Adhesive to the substrate and the membrane at about the same time using a 9" (228 mm) medium nap roller. A coverage rate of 45 – 60 ft²/gal (1.1 – 1.4 m²/L) may be achieved depending on the substrate. Coverage rates will vary depending on substrate texture and porosity. When applying the Bonding Adhesive, ensure a 100% uniform coverage of both surfaces that will be adhered. Care should be taken not to apply Bonding Adhesive within the seam areas. Avoid globs or puddles of adhesive.
5. Allow adhesive to flash off or dry completely. To determine if the adhesive is dry, touch down on the adhesive with a clean dry finger. As you touch the adhesive surface, push down to check that the adhesive has completely dried below the surface. If either test exposes wet adhesive when the finger is lifted, then the adhesive is not ready for bonding. Flash off time will vary depending on ambient conditions.
6. Apply the adhesive coated membrane into the adhesive coated substrate in a continuous motion avoiding wrinkles and folds.
7. Using a push broom, apply firm downward pressure to the membrane to promote 100% adhesion to the substrate.
8. Install adjoining panels in a similar manner, lapping edges a minimum of 3" (76 mm) in preparation for seaming.
9. All Purpose Bonding Adhesive can be applied using solvent resistant paint rollers, power rollers, or spray equipment.

B. Vertical

1. For extremely porous substrates such as concrete blocks apply a light seal coat of the adhesive to the substrate and allow it to dry.
2. Apply adhesive to membrane and a second coat to the wall.
3. Flashing is recommended to be 0.045" (1.1mm) standard membrane and a maximum 10' (3.0 m) in length for parapet walls that exceed 4' (1.22 m) in height.

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4. Allow adhesive to dry to finger tack. Apply membrane onto wall applying pressure to assure a complete 100% bond.
5. The flashing should be mechanically secured to the wall, per the selected termination detail, immediately after it is adhered to the wall.

Product Data

SIZE	QUANTITY	PRODUCT #
1 Gallon (3.8 Liter) Can	4 Cans per Carton	W59GT10158
3 Gallon (11.4 Liter) Pail	n/a	W59GT10157
5 Gallon (18.9 Liter) Pail	n/a	W59GT10152

Coverage Rate: Correctly applied, 1 gallon (3.8 L) of bonding adhesive will cover approximately 45 – 60 ft²/gal (1.1 – 1.4 m²/L) of finished surface.

Some 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 bonding surfaces.

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

Storage

Store indoors in original unopened containers at a temperature between 60 °F and 80 °F (16 °C and 27 °C) for maximum shelf life. Do not store on roof in direct sunlight. When exposed to lower temperatures, restore to room temperature prior to use.

Shelf Life

12 months; shelf life will be shortened if exposed to elevated temperatures.

Precautionary Data

- Review Material Safety Data Sheet prior to use.
- Extremely flammable. Vapors may cause flash fires. Vapors may ignite explosively under certain conditions. Keep away from fire, sparks, and sources of heat. Extinguish all flames and pilot lights. Turn off electronic motors, stoves, heaters, or any source of ignition during use and until all vapors have been dispersed. Do not smoke.
- 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 goggles with side shields.

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- Use with adequate ventilation.
- Close containers after use.
- Keep out of reach of children.
- Do not thin.

Physical Properties

PROPERTY	TYPICAL VALUES
Base	Blend of Polychloroprene and SBR
Color	Yellow
Solvents	Blend of Acetone, Toluene, Hexane, Xylene
Viscosity	3,300-3,800 cps, R.V.F. spindle @ 10 RPM
Specific Gravity	0.7909-0.8868
Weight/Gallon	6.6 – 7.4 lb/gal
Flash Point	Less than 0 °F (16 °C)

LEED Information

Recycled Content Post Consumer Post Industrial	0% 0%
V.O.C. Content	633 g/L

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