

TPA Single Ply Bonding Adhesive

An Elastomeric Adhesive used with the TPA FB (Fleece Backed) Single Ply Membrane

DESCRIPTION

TPA Single Ply Bonding Adhesive is an elastomeric, asbestos free solvent based adhesive.

BASIC USES

TPA Single Ply Bonding Adhesive is used to adhere TPA FB Fleece Backed Single Ply Membrane and flashings to approved substrates.

GRADE

Roller, brush, solvent resistant

PACKAGING

Available in 19 L (5 gallon) containers.

COLOR

Amber/yellow

APPLICATION

Mixing: Mix thoroughly before use.

General Application Data: Roof replacement usually involves more complexities than new construction roofing. Such contingencies as rusted or deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions are often encountered.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon your roofs conditions.

Structural Deck: Must be properly designed and structurally sound.

Drainage: Ponding conditions are unacceptable and will adversely affect the performance of any roofing system. Where positive drainage does not exist, water removal from roof surface must be facilitated by lowering drains, and/or installing additional drains or tapered insulation, or an approved lightweight insulating concrete slope system.

Insulation: Insulation must be dry and kept dry. No more insulation shall be installed than can be closed in that day. Use of Fas-n-Free Adhesive for solvent free, fastener free insulation attachment is the preferred method of securement unless otherwise specified.

Approved Insulation:

TYPE	MINIMUM THICKNESS	FACER
Wood Fiber	12 mm (1/2")	Coated
Fiber glass	24 mm (15/16")	Coated/Paper
Polyisocyanurate	25 mm (1")	Black organic/Glass
Dens-Deck	6 mm (1/4")	Glass

Installation Procedures: According to job specifications, prepare the surface to be covered by:

- Replace areas of wet insulation and deteriorated deck/wood components.
- Install roof insulation or base sheet.

Surfaces to receive TPA Single Ply Bonding Adhesive must be clean, dry, and free from oil, grease, or other contaminants.

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APPLICATION CONTINUED

Plan placement of TPA FB roof system to ensure that water will flow over or along, but not against membrane laps and side laps.

Mix TPA Single Ply Bonding Adhesive thoroughly before use.

Application to horizontal surfaces: Apply TPA Single Ply Bonding Adhesive to the substrate in full coverage and allow adhesive to become tacky before rolling the TPA FB Single Ply Membrane into place. Do not allow the TPA Single Ply Bonding Adhesive to fully dry prior to rolling membrane into adhesive. Broom the membrane into the adhesive to remove wrinkles and assure positive contact with the substrate. Minimize foot traffic on freshly applied TPA FB until adhesive is fully cured.

Application to vertical surfaces: Position TPA / TPA FB Flashing membrane in intended location and fold back. Apply TPA Single Ply Bonding Adhesive in full coverage to both the vertical substrate and to the back side of the flashing membrane. Allow adhesive to dry to the touch (Until it does not transfer to a dry finger touch—approximately 20 to 40 minutes). Place the flashing membrane into the adhesive and pressure roll to assure positive contact.

Do not allow TPA Single Ply Bonding Adhesive to contaminate TPA membrane and flashing lap areas. Remove adhesive from lap areas. Heat weld overlap seams of TPA flashing and field membrane.

COVERAGE RATES

Will vary based on substrate porosity. Typical coverage rate is 80 to 100 square feet per gallon (2.0 to 2.5 square meters per liter) per surface. For flashing application, net coverage will be 50 to 60 square feet per gallon when applying to both surfaces.

CLEAN UP

Toluene

LIMITATIONS

- Do not apply when ambient or material temperature is below 4°C (40°F).
- Not for use over expanded polystyrene (EPS) or EPS Composite insulation installed in any configuration unless EPS is encapsulated within lightweight insulating cellular concrete.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Viscosity @ 77°F (25°C)	2.5 Pa•s (2,500cps)	ASTMD 183
Density	863 kg/m ³ (7.3 lbs./gal)	ASTM D 147
Percent Solids	26.5%	ASTM D 316
VOC	612 g/L	ASTM D 164

MAINTENANCE

Your local Tremco Roofing Sales Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT



Roofing & Building Maintenance

www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

50 Beth Nealson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

Tremco Roofing & Building
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Your local Tremco Roofing Sales Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

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