

# 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 or smooth back TPA and flashings to approved substrates.

## GRADE

Roller, brush, solvent resistant

## COLOR

Amber/yellow

## PACKAGING

Available in 5 gallon (19 L) containers.

## STORAGE LIFE

One year when stored indoors in unopened containers at temperatures between 60°F and 80°F.

## APPLICATION

**Mixing:** Mix thoroughly before use.

**General Application Data:** The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon specific 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.

### Approved Insulation:

TYPE	MINIMUM THICKNESS	FACER
Wood Fiber	1/2" (12 mm)	Coated
Fiber glass	15/16" (24 mm)	Coated/Paper
Polyisocyanurate	1" (25 mm)	Black organic/Glass
Dens-Deck 1/4"	(6 mm)	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 and/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 for TPA FB sheets:** Apply TPA Single Ply Bonding Adhesive to the substrate in full coverage and allow adhesive to become tacky (approximately 10 minutes) 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 for smooth back TPA sheets:** Position TPA membrane in intended location and fold back. Apply TPA Single Ply Bonding Adhesive in full coverage to both the substrate and to the back side of the 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 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.

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.

Toluene

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

## COVERAGE RATES

## CLEAN UP

## LIMITATIONS

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Viscosity @ 25°C (77°F)	(2,500cps)	ASTM D 183
Density	863 kg/m <sup>3</sup> (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.

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

## TECHNICAL SUPPORT



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