

# Single Ply Roofing Systems

TremFAST 120 HD Premium – Single ply roof system that is partially adhered with either hot asphalt or cold adhesives. This elastomeric white polymer-based PIB (polyisobutylene) roof membrane is 120 mils thick.

TPA (Tri-polymer Alloy) – Single ply roof membrane that is an elastomeric tri-polymer alloy based on Dupont’s ELVALOY® and blended with CPE and PVC. It can be mechanically fastened or ballasted and is available in a variety of thicknesses from 40 mils to 80 mils.

Single ply roof systems are composed of three to four basic components.

Insulation – Provide “R” value and stable substrate for roof system.

Single Ply Membrane – Single ply that makes up the roof system.

Flashings – Provide waterproofing around roof perimeter, equipment and projections.

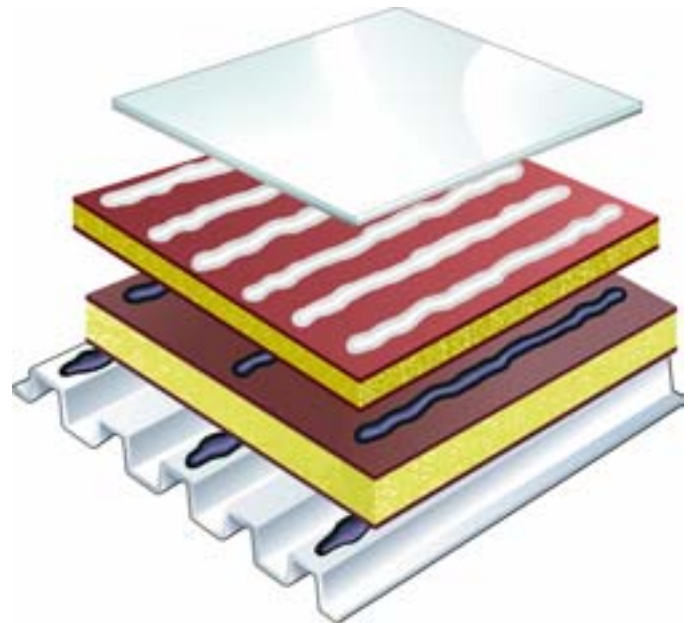
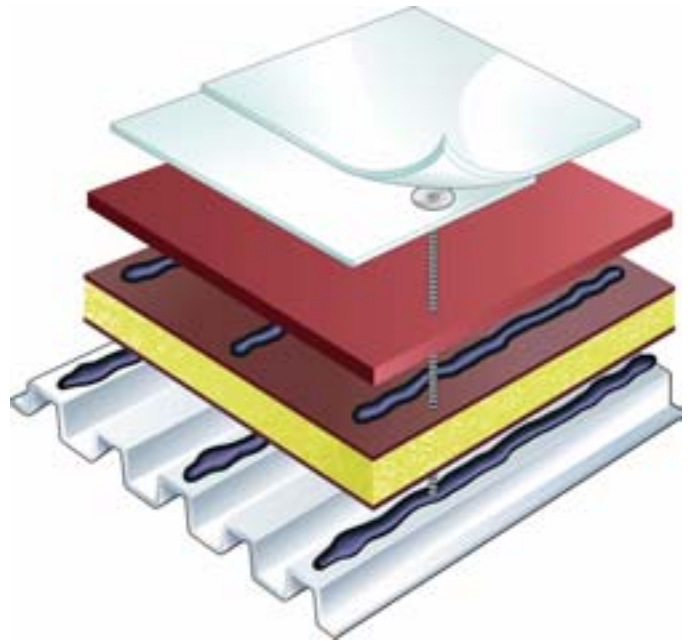
Adhesive (optional) – Waterproofing that bonds the ply to the substrate.

**Features:**

- No flame required
- Reduced odor
- Superior puncture resistance
- Energy Star certified
- Easy installation
- Fire resistant

**Benefits:**

- Eliminates danger of fire and smoke pollution
- Better for use on occupied buildings
- Improved abuse tolerance
- Reduces overall cooling costs
- Lower labor costs
- Meets UL Class A



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## TremFAST 120 HD Premium

Description: 120 mil single ply roof system utilizing a white polymer-based PIB elastomeric roof membrane. This system is versatile in that it can be applied with either hot asphalt or cold adhesives. This membrane features a peel & stick field applied seam that is unique to the roofing industry.

### Single Ply Roof System Components:

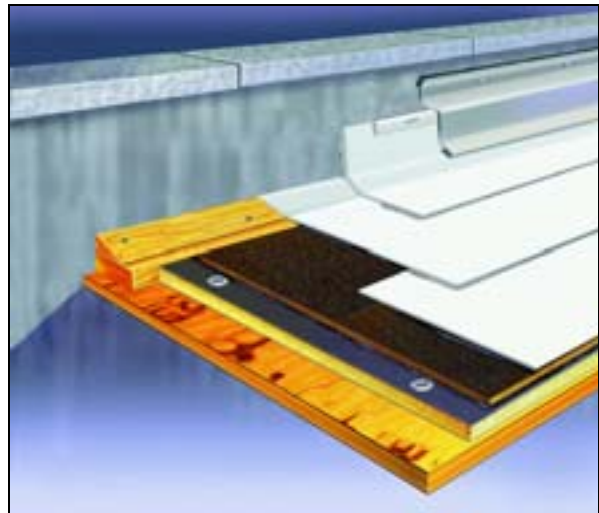
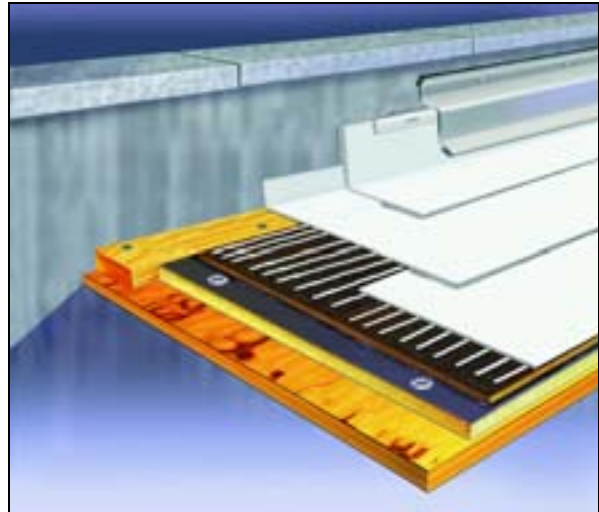
SINGLE PLY MEMBRANE:  
TremFAST 120 HD Premium

ADHESIVES:  
TremFAST Adhesive LV  
TremFAST Adhesive SF  
Premium III Asphalt

FLASHINGS:  
TremFAST Flashing Membrane

MISCELLANEOUS:  
TremFAST Paste  
TremFAST Primer LV  
TremFAST Solvent  
TremFAST Waterblock

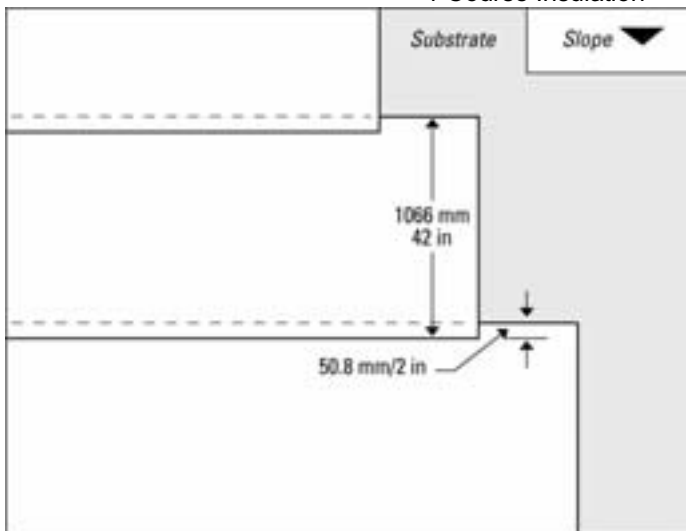
SEE PRODUCT PAGES for a detailed description of each product listed above.



CONFIGURATION:  
TremFAST Premium

SUBSTRATE OPTIONS:  
Base Sheet  
2 Course Insulation or  
1 Course Insulation

(Zones 1, 2 and 3)



Slope: Unlimited

- Material Requirements
- Single Ply Membrane
  - TremFAST Premium
  - Cold Field Adhesive
  - TremFAST Adhesive LV
  - TremFAST Adhesive SF
  - Hotmelt Adhesive
  - Premium III or Type IV
  - Flashing Adhesive
  - TremFAST Adhesive LV
  - "T" Joint Overlap Paste
  - TremFAST Paste
  - Flashing Tape
  - TremFAST Self-stick Flashing Tape
  - Drain Sealant
  - TremFAST Water Block Sealant
  - Metal Primer
  - TremFAST Primer LV

	Quantity	
	/m <sup>2</sup>	/100 ft <sup>2</sup>
Single Ply Membrane	1 ply	1 ply
TremFAST Premium	3.7 m <sup>2</sup> /L	150 ft <sup>2</sup> /gal
Cold Field Adhesive	0.7-0.9 kg m <sup>2</sup>	15-18 lb
Flashing Adhesive	1.8 m <sup>2</sup> /L	75 ft <sup>2</sup> /gal
"T" Joint Overlap Paste	305 m/tube	1000 ft/tube
Flashing Tape	15 m/roll	50 lin ft/roll
Drain Sealant	6 m/tube	20 lin ft/tube
TremFAST Primer LV	2.5 m <sup>2</sup> /L	1 gal/ft <sup>2</sup>

\*Note: All coverage rates represent the required average application rate. Tolerances are ±20% for any point on

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## TPA Single Ply Roof System

*Description:* A single ply roof membrane that is an elastomeric tri-polymer alloy based on Dupont's ELVALOY® and blended with CPE and PVC. It can be fastened mechanically or ballasted and is available in a variety of thicknesses, from 40 mils to 80 mils.

### TPA SINGLE PLY ROOF MEMBRANE:

Tremco's TPA roof membrane was designed specifically for mechanically fastened applications and is available in various thicknesses, from 40 mils to 80 mils.

### TPA FLEECE-BACK SINGLE PLY ROOF MEMBRANE:

Tremco's TPA FB roof membrane was designed specifically for fully adhered applications. The TPA FB can be adhered using either hot asphalt or Tremco's Bonding Adhesive (cold applied). The fleece backing means it's double reinforced, with almost 50% more tensile strength than unbacked membranes and is available in various thicknesses, from 40 mils to 80 mils.

### Features:

- Increased mil thickness
- Energy Star rated
- Size – Widest in the industry
- ELVALOY polymer waterproofing
- Factory Mutual Approvals

### Benefits:

- Superior waterproofing protection with long-term performance.
- The highly reflective white surface decreases surface temperature, increases system life and reduces energy costs.
- TPA membrane rolls measure 78" by 108'. A single roll can cover nearly 700 sq ft, which means fewer seams and lower labor costs.
- The unique ELVALOY formulation is non-curing, which can be repaired easily and coated to extend its service life.
- Ensures better insurance rates for FM-insured facilities.

## TPA Single Ply Roof System Components:

### SINGLE PLY MEMBRANE:

TPA Single Ply Membrane (40 – 80 mils)

TPA FB Single Ply Membrane (40 – 80 mils)

### ADHESIVES:

TPA Single Ply Bonding Adhesive

Premium III Asphalt

### FLASHINGS:

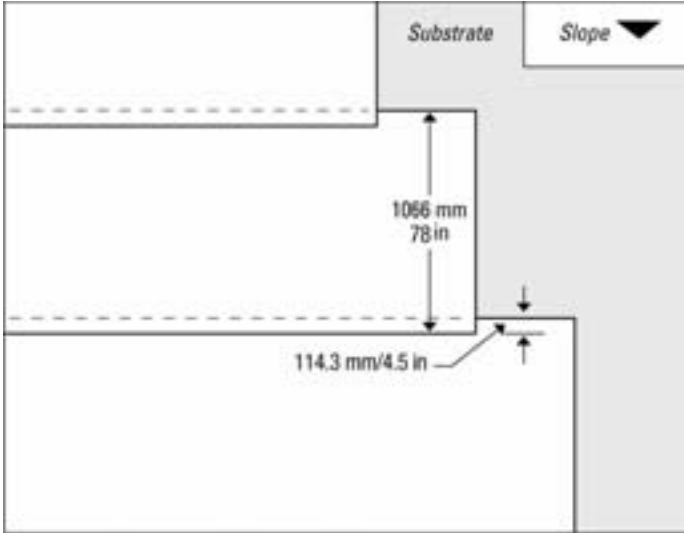
TPA Perimeter Membrane

# Single Ply Roofing Systems

CONFIGURATION:  
TPA M/F

SUBSTRATE OPTIONS:  
Base Sheet  
2 Course Insulation or  
1 Course Insulation

(Zones 1, 2 and 3)



Slope: Unlimited

Material Requirements  
Single Ply Membrane  
TPA Membrane (40-80 mils)  
Flashing Adhesive  
See TPA Roof System Component List

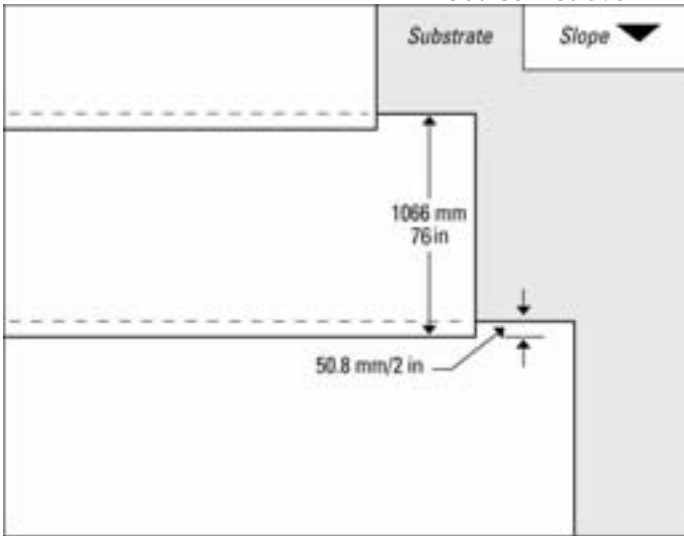
		Quantity	
		/m <sup>2</sup>	/100 ft <sup>2</sup>
Single Ply Membrane	TPA Membrane (40-80 mils)	1 ply	1 ply

\*Note: All coverage rates represent the required average application rate. Tolerances are ±20% for any point on the roof.

CONFIGURATION:  
TPA Fleece-back

SUBSTRATE OPTIONS:  
Base Sheet  
2 Course Insulation or  
1 Course Insulation

(Zones 1, 2 and 3)



Slope: Unlimited

Material Requirements  
Single Ply Membrane  
TPA Fleece-back Membrane  
Cold Field Adhesive  
See Product List: TremFAST 120 HD Premium  
Single Ply Roof System Components List  
Hotmelt Adhesive  
See Product List: TremFAST 120 HD Premium  
Single Ply Roof System Components List  
Flashing Adhesive  
See Product List: TremFAST 120 HD Premium  
Single Ply Roof System Components List

		Quantity	
		/m <sup>2</sup>	/100 ft <sup>2</sup>
Single Ply Membrane	TPA Fleece-back Membrane	1 ply	1 ply

\*Note: All coverage rates represent the required average application rate. Tolerances are ±20% for any point on the roof.