



1 MEMBRANE

12 10" PS RUSS (TPO ONLY)

9 TERMINATION BAR

14 UNIVERSAL SINGLE-PLY SEALANT

11 6" PS RUSS (TPO ONLY)

8 WATER CUT-OFF MASTIC

4 INSIDE CORNER

15 POURABLE SEALER POCKET

5 T-JOINT COVER

HEAT-WELDED SEAM

10 HPWX FASTENERS AND PLATES

7 PIPE SEAL

4 OUTSIDE CORNERS

6 PS COVER STRIP

METAL DRIP EDGE

10 HPWX FASTENERS AND PLATES

13 CUT EDGE SEALANT

3 TPO PRIMER (TPO ONLY)

2 BONDING ADHESIVE

2 CAV-GRIP III (TPO ONLY)

SUBSTRATE

Mechanically Attached
& Fully Adhered
TPO & PVC Roofing Systems

Materials Estimator Guide

WB
WEATHERBOND
ROOFING SYSTEMS
Single-Ply Simplified

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TPO & PVC Roofing Systems

WeatherBond TPO and PVC are highly reflective and completely heat-weldable single-ply roofing systems. The membrane is ENERGY STAR® qualified and Cool Roof Rating Council (CRRC) certified, providing superior reflectivity and cool roof capabilities. Every WeatherBond TPO and PVC membrane is reinforced with a strong fabric that creates a durable yet flexible rooftop.

- Seam-reducing sheets of up to 12 feet wide by 100 feet long
- WeatherBond offers both a material warranty and an extended warranty that includes labor costs for both commercial and residential applications.
- Labor-saving, prefabricated accessories
- Helps reduce a building's energy costs



Product	Description and Use		Calculation
	Mechanically Attached	Fully Adhered	
1 Membrane	TPO and PVC membrane is used as the waterproofing material which is bonded or mechanically attached to the substrate. Membranes are available in various thicknesses, widths and lengths. Membrane should extend up perimeter or parapet walls by at least 12" and hang over the edge of the roof by 3". Seams should overlap by 3-6".*		Roof length x width + 12" or more for wall or curb terminations + 3" or 6" overlap for seams + 3" overhang off the roof edge.
2 Bonding Adhesive	N/A	WeatherBond's TPO Bonding Adhesive and Low-VOC PVC Bonding Adhesive are used to bond the membrane to the substrate. Bonding Adhesive is roller applied to both surfaces and the membrane is rolled into place. Finished coverage rate is 60 ft ² /gallon.	Roof length x width + wall and curb area if greater than 12" tall ÷ 60 = gallons of bonding adhesive needed.
2 CAV-GRIP III (TPO Only)	N/A	Low-VOC Aerosol Adhesive/Primer used for adhering all WeatherBond TPO and EPDM membranes to walls and horizontal surfaces.	Coverage rate is 1,000 SF per 40 lb cylinder
3 TPO Primer (TPO Only)	TPO Primer is used to prepare the TPO membrane surface anywhere WeatherBond's Pressure-Sensitive products are used, including Cover Strip and RUSS.		Coverage rate is 200-250 ft ² per gallon
4 Inside/Outside Corners	Inside/Outside Corners are an easy way to finish corner details. After flashing a curb or any vertical surface use inside or outside corners to finish the detail.		One Inside or Outside Corner/corner.
5 T-Joint Cover	Non-reinforced flashings used to seal T-Joint Splice Intersections		One T-Joint Cover
6 TPO Pressure Sensitive (PS) Cover Strip	PS Cover Strip is used to strip in metal drip edges, as well as cover cut edges of TPO membrane. PS Cover Strip is available in rolls 100' in length and 6" in width.		Metal drip edge length in ft. ÷ 100 = number of rolls needed.
6 PVC Pressure-Sensitive Cover Strip	Non-Reinforced KEE HP flashing laminated to a nominal 35-mil, fully cured, pressure-sensitive, synthetic rubber adhesive used to strip in metal edging. PVC Step 1 Primer and PVC Step 2 Activator Required.		Metal drip edge length in ft. / 100 - number of rolls needed
7 Pipe Seal	Pre-molded Pipe Seals create a watertight seal around cylindrical penetrations from 1" to 6" diameter. Split Pipe Seals are also available from 1-6" in diameter.		One Pipe Seal for every 1" to 6" pipe.
8 Water Cut-Off Mastic	Water Cut-Off Mastic is a gasket-forming liquid compression sealant applied behind the membrane at drain covers, behind termination bars and pipe seals.		10 linear ft./tube.
9 Termination Bar	Used to terminate membrane on a vertical surface including on a parapet wall or over the roof edge. Available in 10' lengths.		Length of perimeter + length of other vertical terminations.
10 HPWX Fasteners and Plates	For mechanically fastened TPO/PVC, HPWX Fasteners and plate are required a maximum of 12" o.c. in the seams and to secure the PS RUSS (TPO only).*	For fully adhered TPO/PVC, HPWX Fasteners and Plates are required a maximum of 12" o.c. to secure the PS RUSS (TPO only).*	At least one fastener and plate/ft. of RUSS and membrane seam. See specification for specific attachment information.
11 6" PS RUSS (TPO Only)	Used in conjunction with TPO Primer. 6"-wide PS RUSS is used as additional membrane securement at walls, curbs, angle changes, etc. 6" RUSS comes in 100' rolls.		Add the length of all curbs, parapets and angle changes in ft. ÷ 100.
12 10" PS RUSS (TPO Only)	To reduce time and labor cost, 10" PS RUSS can be used in conjunction with TPO Primer to form perimeter sheets on Mechanically Attached Systems.	N/A	10" RUSS comes in 100' rolls. Roof perimeter in ft. ÷ 100.
13 Cut Edge Sealant	A white- or clear-colored sealant used to seal cut edges of WeatherBond TPO membrane. A coverage rate of approximately 225-275 linear ft. per squeeze bottle can be achieved when a 1/8" diameter bead is applied.		Typical usage is 1 bottle/1000 ft ² of membrane.
14 Universal Single-Ply Sealant	Used for general caulking such as above termination bars		N/A
15 Pourable Sealer Pocket	Interlocking, 2-piece, injection-molded, weldable pockets used to waterproof pipe clusters or other oddly shaped penetrations.		N/A

*Please consult the WeatherBond TPO & PVC Installation Guides for installation criteria.

WeatherBond's Material Estimator is designed to facilitate the development of a materials list. Due to the unique nature of each individual project we make no representations that the list provided will be absolute.