



Mechanically Attached
& Fully Adhered
TPO & PVC Roofing Systems

Materials Estimator **Guide**

WB
WEATHERBOND
ROOFING SYSTEMS
Single-Ply Simplified

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ROOFING SYSTEMS

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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 (CRR) 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
- Lifetime membrane material warranties available
- Laborsaving, prefabricated accessories
- Membrane contains no plasticizers or chlorine
- Helps reduce a building's energy costs



Product	Description and Use		Calculation	Material Needed
	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.	sq. ft.
2 Bonding Adhesive	N/A	WeatherBond Bonding Adhesive is 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.	gallons
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 6" x 150 linear ft./gallon.	gallons
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.	corners
5 Pressure-Sensitive (PS) Cover Strip (TPO Only)	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.	rolls
6 Pipe Seal	Pre-molded Pipe Seals create a watertight seal around cylindrical penetrations from ¾"-8" in diameter. Split Pipe Seals are also available from 1-6" in diameter.		One Pipe Seal for every ¾"-8" pipe.	pipe seals
7 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.	tubes
8 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.	ft.
9 HPWX Fasteners and Plates	HPWX Fasteners are heavy-duty #15 phillips head screws used in conjunction with 23/8"-wide metal barbed, HPWX Plates. HPWX Fasteners and Plates are used for membrane and RUSS attachment.* 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.	fasteners and plates
10 16" 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.	rolls
11 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.	rolls
12 Cut Edge Sealant	A white- or clear-colored sealant used to seal cut edges of reinforced WeatherBond PRO TPO membrane. A coverage rate of approximately 225-275 linear ft. per squeeze bottle can be achieved when a ¼" diameter bead is applied.		Typical usage is 1 bottle/1000 ft ² of membrane.	bottles
13 Pourable Sealer Pocket	Interlocking, 2-piece, injection-molded, weldable pockets used to waterproof pipe clusters or other oddly shaped penetrations.		N/A	pockets

*Please consult the WeatherBond TPO Specifications for exact 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.