



Thermoplastic Single Ply and Multi-Ply Roofing Systems

2670 Leisch's Bridge Road, Suite 400, Leesport, PA 19533 Phone (610) 916-9500 Fax (610) 916-9501

**FLEX TPO PLUS PREFABRICATED CORNERS
TECHNICAL DATA SHEET**

GENERAL:

Flex TPO Prefabricated Corners are fabricated flashings made of 45-mil (1.1 mm) reinforced Flex Membrane designed to reduce installation time to flash a curb when compared to conventional methods. Each corner is fabricated with a 6-inch (150 mm) wide base flange and a 12-inch (300 mm) overall height. Six sizes are available to fit curbs up to 6-feet (1.8 m) by 6-feet (1.8 m) in size. Other sizes are available on a special order basis. One curb requires 4 corners for a complete installation. Flex TPO Prefabricated Corners are packaged in boxes of twelve.

TYPICAL PROPERTIES AND CHARACTERISTICS:

Corner Sizes:	7, 13, 19, 25, 31 and 37 inches (18, 33, 48, 64, 79 and 94 inches)
Curb Sizes Finished:	12, 24, 36, 48, 60 and 72 inches (30, 61, 91, 122, 152 and 183 cm)
Packaging:	12 per box
Weight (each):	0.5, 0.9, 1.3, 1.7, 2.0 and 2.4 pounds (.02, 0.4, 0.6, 0.8, 0.9 and 1.1 kg)
Material:	Reinforced 45-mil (1.1 mm) TPO membrane
Color:	White (only)

CAUTIONS AND WARNINGS:

1. All existing loose flashing must be removed prior to the application of the Flex TPO Prefabricated Corners.
2. Bonding adhesive is not required when the flashing height is 12 inches (300 mm) or less and the membrane is terminated under metal counterflashing (nailed). When a coping or termination bar is used for vertical termination, the bonding adhesive may be eliminated when the flashing height is 18 inches (450 mm) or less.
3. Install fastening plates through the field sheet at the angle change of all curbs per Flex TPO details. Position the fastening plates so the prefabricated flange covers the plates. A minimum 1-1/2 inch (40 mm) wide weld must be maintained around the outer edge of the flange beyond the plates. If fastening plates cannot be installed in a manner to allow a minimum of 1-1/2 inch (40 mm) weld, the plates must be placed outside the prefabricated flange and covered with a welded reinforced Flex TPO membrane overlay.

4. Store TPO Prefabricated Corners in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. Flex TPO Prefabricated Corners or membrane that have been exposed to the weather must be prepared with Flex Weathered Membrane Cleaner prior to hot air welding.

INSTALLATION:

1. Remove prefabricated corners from the shipping box. Crease the flashing to create the 90-degree angle change at the curb base. Complete this on both legs of the corners.
2. Clean the deck membrane with Flex Weathered Membrane Cleaner. (Use a Scotch-Brite Pad with the cleaner if the membrane has been exposed for an extended period of time.)
3. Position four TPO Prefabricated Corners around the curb ensuring each remains plumb and tack-weld in place.
4. Weld the four corners together after placing a piece of cardboard between the deck membrane and the deck flange overlaps. (The cardboard prevents the horizontal deck flange from fusing to the deck membrane allowing the entire flange to be welded with an auto-welder later in the installation process).
5. After removing the cardboard pieces, weld the horizontal deck flanges of the curb wrap to the deck membrane with an auto or hand-held welder. If an auto-welder is utilized, at each outside corner of the nozzle must be removed to change directions. Leave an opening large enough to insert the nozzle of a hand-held welder and weld these areas tight once the rest of the deck flange is welded in place.
6. Using a seam probe, check all splices for voids and cold-welds. Make any needed repairs.
7. Nail off or tack-weld the flashing to the top of the curb.
8. Apply Flex Cut Edge Sealant to all edges of the flashing on the deck. Do not apply the sealant to vertical surfaces.

FLEX TPO PLUS PREFABRICATED CORNERS

