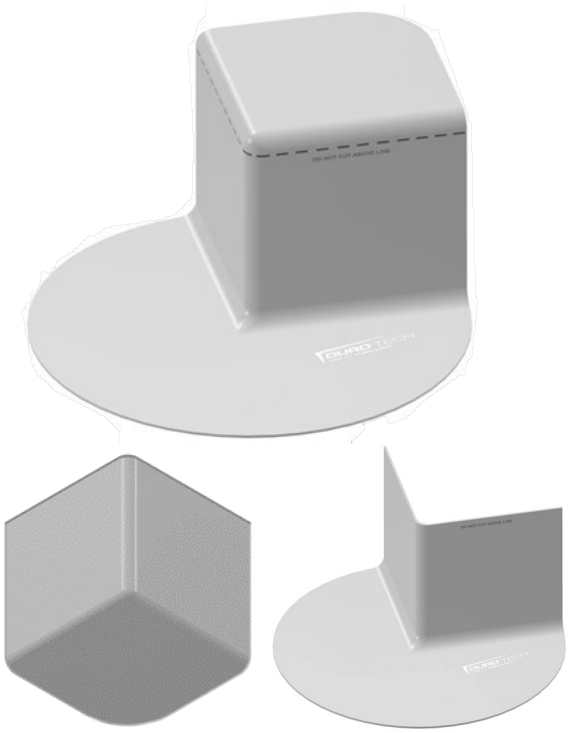
DURO-TECH® TPO INSIDE/OUTSIDE MOLDED CORNERS

DESCRIPTION:

Duro-TECH® TPO Inside/Outside Corners ("Corners") are used in corner areas encountered on Duro-TECH thermoplastic polyolefin ("TPO") membrane installations. Corners are molded from a flexible TPO material.

NOTE: NOT TO BE USED IN WARRANTY APPLICATIONS GREATER THAN 20 YEARS



ORDERING:

Corners are packaged in boxes of 20 and are available in white, tan, and gray.

- Product dimensions: 3 x 3 x 3.25 in. (76 x 76 x 83 mm)
- Weight: ~8 lb (~3.63 kg)

White	Tan (HR)	Gray
#45106TW	#45106TG	#45106TB

STORAGE AND HANDLING:

- Keep away from ignition sources.
- Always store in a dry location protected from the elements.

PRECAUTIONS:

- Keep away from ignition sources. **Do not smoke while installing.**
- Wear proper personal protective equipment, such as gloves and eye protection, as specified in the SDS.

INSTALLATION:

Installation must be completed in compliance with the appropriate Duro-TECH TPO details and specifications.

- **The use of Outside Corners is required.**
- **The use of Inside Corners is required at all inside wall transitions.**

1. Prepare all affected surfaces to be welded with an approved TPO membrane cleaner, if necessary.
2. Starting at the appropriate cut line, trim to fit the inside or outside corner.
3. Heat (hot-air) weld the Corner to the TPO deck or parapet membrane with a minimum 1-1/2-in. (40-mm) weld.

INSIDE/OUTSIDE CORNERS SPECIFICATIONS	
Properties	**Value**
Material	Thermoplastic Polyolefin (TPO)
Thickness	70 mil (1.78 mm)
Colors	White
Overall Size	6 x 8 in. (152 x 203 mm)
Measurements	3 x 3 x 3.25 in. (76 x 76 x 83 mm) 0.5 in. (12 mm) radius: all edges of raised Corners

INSIDE/OUTSIDE CORNERS PROPERTIES		
	Test Method	**Performance**
Membrane Thickness	D751	70 mil (1.78 mm)
Tensile Strength	D638	1,780 psi (12.3 MPa)
Elongation at Break	D638	750%
Tearing Strength	1004 (Die C)	11 lbf (48.9 N)
Bitterness Point	D2137	-40° F (-40° C)
Properties After Heat Aging (Retained Values) (166 h at 240° F (116° C))		
Tensile Strength	D638	1,550 psi (10.7 MPa)
Elongation at Break	D638	650%
Tearing Strength	1004 (Die C)	9 lbf (40 N)

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