

Sure-Weld[®] TPO

Reinforced Overlayment Strip



Overview

Carlisle's Sure-Weld TPO Reinforced Overlayment Strip is made from heat-weldable, reinforced thermoplastic polyolefin membrane. It is available in 45-mil 6" x 100' and 60-mil 6" x 100' and 9" x 50' rolls. It can be used to cover end laps on FleeceBACK[®] and SAT[™] TPO systems and to strip in flat metal flanges on details such as TPO coated drip edges, gravel stops, and scuppers.

Features and Benefits

- » Made from reinforced Sure-Weld TPO enhanced with the OctaGuard XT[™] weathering package for exceptional resistance to heat, solar UV, ozone and oxidation
- » 6" and 9" widths save labor by eliminating the need to slit large rolls of membrane
- » Available in white, gray, and tan

Installation

1. Ensure the existing TPO membrane, or Coated Metal surface is clean prior to welding the Overlayment Strip in place. If dirt is present, use Carlisle's Weathered Membrane Cleaner to properly prepare the surface.
2. Weld Overlayment Strip in place using an auto-welder or hand welder with a silicone roller.
3. Install T-joint covers as necessary. Install cut-edge sealant along all exposed edges of Overlayment Strip.

Review Carlisle specifications and details for complete installation information.

Precautions

- » UV filtering sunglasses are strongly recommended when working on Sure-Weld TPO roofing systems.
- » Store Sure-Weld TPO Overlayment Strip in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins.

Typical Properties and Characteristics

| Properties | ASTM Test Method | 45-mil | 60-mil |
|---|--------------------------------------|------------------------------------|------------------------------------|
| Tolerance on nominal thickness, % | ASTM D751 | +/- 10% | +/- 10% |
| Thickness Over Scrim, in. (mm) | D7635 optical method avg. of 3 areas | .018 typical (0.457) | 0.024 typical (0.610) |
| Breaking Strength, lbf (kN) | ASTM D751 grab method | 225 (1.0) min 320 (1.4) typical | 250 (1.1) min 360 (1.6) typical |
| Elongation Break of Reinforcement, % | ASTM D751 grab method | 15 min 25 typical | 15 min 25 typical |
| Tearing Strength, lbf (N) | ASTM D751 proc. B 8 in. x 8 in. | 55 (245) min 130 (578) typical | 55 (245) min 130 (578) typical |
| Brittleness Point, °F (°C) | ASTM D2137 | -40 (-40) max -50 (-46) typical | -40 (-40) max -50 (-46) typical |
| Linear Dimensional Change, % | ASTM D1204, 6 hours at 158°F | ± 1 max -0.2 typical | ± 1 max -0.2 typical |
| Typical Weights lb/ft ² (kg/m ²) | | 0.23 (1.1) | 0.29 (1.4) |

Refer to Sure-Weld TPO Reinforced Membrane Typical Properties and Characteristics for more information.

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED[®] Information

| | |
|--------------------------------|----------------------|
| Pre-consumer Recycled Content | 10% |
| Post-consumer Recycled Content | 0% |
| Manufacturing Location | Senatobia, MS |
| Solar Reflectance Index | 99 (white), 86 (tan) |