Technical Data

DURAGRIP TPO

Next-gen TPO single-ply membrane with slip-resistant* surface for ultimate safety

Product Description

Triton's DuraGrip™ TPO is a high quality, polyester reinforced, flexible polyolefin thermoplastic roofing membrane, also referred to as FPO (flexible polyolefin). DuraGrip™ has a unique surface that drastically increases wet and dry friction, resulting in increased roof-top slip-resistance* and enhanced safety after installation. This next-generation thermoplastic material, with increased elastomer content, has excellent UV stability, flexibility, and resistance to extreme temperatures. It is stronger and safer, serving as a sensible alternative to other single-ply membranes.

Product Uses & Application

DuraGrip™ is used on exposed roof surfaces and can be mechanically-attached, fully-adhered, induction-welded, or used in a wind-vented vacuum roof system on new construction, roof replacement, or roof retrofit projects. DuraGrip™ is chosen by clients who desire enhanced roof-top safety and who desire to reduce the likelihood of occupational hazards.

DuraGrip™ is hot air welded together to create a homogeneous membrane in the field. The installation is safe and does not require the use of open flames or hazardous materials. Installations must be carried out by a trained, active Triton Certified Contractor and installed according to Triton's most up-to-date technical manuals, specifications, and guidelines.

Health, Environment, & Safety

DuraGrip™ contains no environmental pollutants or other substances in quantities considered to be hazardous to health and environment. The product does not harm the environment when used as specified. It is recyclable at the end of its life. **Not guaranteed to prevent slips or falls. The term slip-resistant is used because the membrane has been tested with a higher Coefficient of Friction than traditional membranes*

Storage

DuraGrip™ should be kept dry with rolls placed on pallets and protected at the building site with tarps or similar.

DIMENSIONS & PACKAGING	
Roll Widths	6 ft., 11.5 ft.
Roll Length	100 ft.
Weight	260 lbs/1000 sq. ft.

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Colors	-	White, Black, Gray, or Tan available
Membrane Thickness	ASTM D751	60 mils (1.5 mm)
Thickness Above Scrim	-	30 mils
Breaking Strength	ASTM D751	340 lbf
Elongation	ASTM D751	28%
Tearing Strength	ASTM D751	132 lbf
Dimensional Stability	ASTM D1204	-0.21%
Low Temp Bend	ASTM D2136	Pass @ -70°F
Water Absorption	ASTM D471	< 2.8%
Resistance to Static Load	ASTM D5602	44 lbf
Puncture Resistance (Dynamic)	ASTM D5602	30 lbf
Water Vapor Permeance	ASTM E96	0.001 Perms
Factory Seam Strength	ASTM D751	106% of original
UV Exposure @ 11,000 hrs.	ASTM G155	Pass
Heat Aging (32 weeks @ 240°F)	ASTM D573	Pass w/100% properties retention
Fire Resistance	ASTM E108	Class A
Wet Dynamic Coefficient of Friction	SATRA TM144	0.95
Solar Reflectance	ASTM C1549	0.85 (White)
Thermal Emittance	ASTM C1549	0.89 (White)

CRRC RATED PRODUCT

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