

Roofing Products International Re-Flex TPO Roofing Systems



In 1980, *Roofing Products International, Inc.* began manufacturing high performance single-ply roofing membrane systems and accessories for the industrial, commercial, and residential roofing markets. Now, almost 3 decades later, the same commitment to product quality and system performance, along with a dedicated sales and technical team, has made *RPI* into one of the most solid performers in the single-ply roofing industry. The incredible durability and performance characteristics of *RPI Re-Flex* TPO membrane and system components combined with ease of application and availability of wide sheets; translates into a lightweight installation which provides excellent protection from constantly changing weather extremes.



For more information visit our website
www.rpiroyaledge.com



RPI RE-FLEX TPO

FULLY ADHERED MEMBRANE SYSTEM

RPI Re-Flex .045 mil TPO thermoplastic membrane is engineered to be installed as part of a premium performance, cost competitive, single ply membrane system that provides a durable, lightweight, puncture and chemical resistant, Energy Star rated alternative to other low slope roofing systems. *RPI Re-Flex* TPO provides the benefits of a white reflective membrane that can be installed with *RPI Re-Flex* Seam Tapes, Flashings and Accessories, or heat welded seams.

TPO DESCRIPTION: Thickness: .045 and .060
Sheet Sizes: 5' and 10' widths (8' width special order)
50' and 100' lengths
Color: white (grey or tan special order)

APPLICATION: 2 application methods for seams
• Tape System
• Heat Welding

PROPERTIES: TPO is ASTM D-4678 compliant

WARRANTY:

- 15 year Free Membrane Only Warranty for *Re-Flex* .045 TPO Membrane when fully adhered/mechanically attached over approved substrates using *RPI TPO* Bonding Adhesive
- 20 year Free Membrane Only Warranty for *Re-Flex* .060 TPO Membrane when fully adhered/mechanically attached over approved substrates using *RPI TPO* Bonding Adhesive



RPI RE-FLEX TPO MEMBRANE PHYSICAL PROPERTIES

Properties	ASTM Test Method	ASTM 6878 Minimum	Typical Values
Nominal Thickness	ASTM D-751	0.039" (min)	0.045"
Elongation at Break	ASTM D-751	15%	30%
Breaking Strength	ASTM D-751 Grab Method	220 lbf/inch	285 lbf x 245 lbf
Tear Strength	ASTM D-751 8" x 8" Sample	55 lbf	124 lbf x 140 lbf
Cold Brittleness	ASTM D-2137	-40°C	-40°C
Heat Aging	ASTM D-573	90% Retention of Breaking Strength and Elongation at Break	100%
Water Absorption	ASTM D-471 @ 158 F°, 1 week	±3.0% max.	0.7%
Factory Seam Strength	ASTM D-751	66 lbf	Pass (membrane failure)
Hydrostatic Resistance	ASTM D-751 Method D	Not Established	390 psi
Ozone Resistance	ASTM D-1149	No visible deterioration @ 7x magnification	No visible deterioration @ 7x magnification
Puncture Resistance	FTM101C Method 2031	Not Established	290 lbs
Permeance	ASTM E-96	Not Established	0.070 Perms
Dimensional Change	ASTM D-1204 @ 158°F, 6 hrs.	±1%	0.4%
Reflectivity	ASTM C-1549 & E-408	N/A	0.76
Emissivity	ASTM E-408	N/A	0.90

Data is based upon typical product performance and is subject to normal manufacturing tolerance and variance. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format.





RPI ACCESSORIES COMPLETE THE ROYAL EDGE ADVANTAGE

For the highest quality installation, *RPI* offers the complete line of accessories required for the installation of your *Re-Flex* TPO roof. *RPI* is a single source supplier which results in your orders being processed completely, quickly and efficiently. We provide all the items needed for the highest quality installation including:

<i>Adhesives</i>	<i>Caulking</i>	<i>Seam Tapes</i>
<i>Termination Bars</i>	<i>Flashing Membranes</i>	<i>Cover Tapes</i>
<i>Seam Tape Primer</i>	<i>Membrane Cleaner</i>	<i>Vents</i>
<i>Pipe Boots</i>	<i>Drain Inserts</i>	<i>Scrub Pads</i>

ROYAL QUALITY FROM THE RPI REGISTERED APPLICATOR PROGRAM

All *Re-Flex* Roofing Systems can be installed using our Registered Applicators. These roofing professionals have been trained in our systems, and are regularly reviewed for quality and workmanship.

These Registered Applicators are backed by expert *RPI* technical sales representatives and field engineers, who are ready to provide technical assistance on every aspect of the installation, from specifications through completion.

GET THE ROYAL EDGE ADVANTAGE WITH RPI

Put *RPI's* *Royal Edge* to work for you. Our superior *Re-Flex* TPO membrane, stringent quality control standards, complete application systems and accessories, and professional support are just some of the reasons why *Roofing Products International, Inc.* should be your single source supplier for quality TPO roofing systems. For complete information on availability, contact your local distributor or call Toll Free: **800-628-2957**.



Elkhart, Indiana
1-800-628-2957

Web site: www.rpiroyaledge.com

THE ROYAL EDGE is a trade mark of **ROOFING PRODUCTS INTERNATIONAL, INC.**

Experience the Difference!

RPI Re-flex TPO Fully Adhered Membrane System

APPLICATION:

- **RPI Tape System**

RPI Re-Flex Seam Tape, Cover Tape and Corner Flashing Systems eliminate the use of heat guns. TPO application is very similar to the RPI EPDM System.

- **Heat Welding System**

DESIGNATION:

The white reflective membrane color has earned the Energy Star designation.



WARRANTY:

FREE Membrane Only 20-Year Warranty for Re-Flex .060 TPO Membrane fully adhered over approved substrates using RPI TPO Royal Edge Bonding Adhesive

SINGLE SOURCE:

RPI is your single source for all components thru your RPI Royal Edge and Re-Flex distributor.

SUPPORT:

RPI offers training, application demos, handbooks, videos and trained staff to assist.