

# **EverGuard® vs EPDM Brochure (Quick Facts)**

(COMEG176)

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*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*

THE CHOICE IS CLEAR:

 TPO

VS.

EPDM

THERE IS A WINNER. READ THE FACTS...

# EverGuard® TPO Beats EPDM—Hands Down. Here's The Proof...

## Proof ONE: EXCELLENT RELIABILITY

**Excellent seam strength.** EverGuard® TPO's seams are 4 times stronger than taped EPDM, which is critical for a long-lasting watertight roofing system.

### Up To 4 Times Greater Seam Strength Compared To EPDM...

EverGuard® TPO						
EPDM	10	20	30	40	50	lbs
0	4.54	9.07	13.61	18.14	22.68	kg

**Exceptional puncture resistance.** EverGuard® TPO offers excellent puncture resistance when compared to both non-reinforced and reinforced EPDM of the same thickness.

### Up To 3 Times More Puncture Resistant Compared To EPDM...

80 Mil EverGuard® TPO						
80 Mil Reinforced EPDM	50	100	150	200	250	lbs
0	22.68	45	68	91	113	kg

**EverGuard® TPO is dimensionally stable.** EPDM can shrink up to 2 percent after installation—imagine your installed roof membrane shrinking 2 feet (610 mm) in a 100-foot (30.5 m) run!

### Up To 80% Less Shrinkage Compared To EPDM...

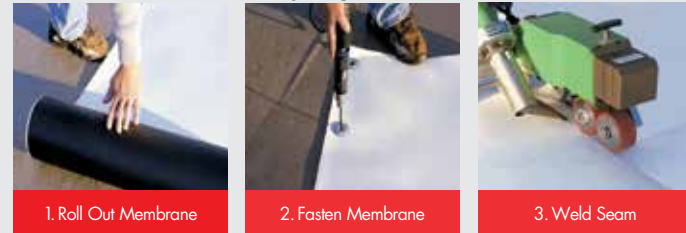
EG TPO					
80 Mil Reinforced EPDM	.5	1.0	1.5	2.0	2.5
0	.5	1.0	1.5	2.0	2.5

Shrinkage %

## Proof TWO: EASIER TO INSTALL

What could be easier than **1-2-3!** EverGuard® TPO installs in just 3 easy steps. EPDM takes 12 steps to install—which means more likelihood for error. Not only that, making repairs to an EverGuard® TPO roof is just as simple: just cut a patch and weld in place.

### EverGuard® TPO: Just 3 Easy Steps—Fast And Reliable



### EPDM: 12 Steps—And More Chance Of Error



## Proof THREE: LOWER-COST SOLUTION

Savvy property owners and designers know that choosing the right system is key to minimizing installed cost. EverGuard® membranes come in three styles (including smooth, fleece-back, and self-adhered), with multiple installation options (including mechanically attached, RhinoBond®, fully adhered, and self-adhering). With the most prefabricated accessories available in the industry, EverGuard® TPO gives you **maximum design flexibility** and allows you to apply the lowest-cost solution to your specific roofing need. The result? EverGuard® TPO systems are less expensive than EPDM on an installed cost basis!

### Relative Cost\* – Fully Adhered Roof Cost/ft²

60 Mil Unreinforced EPDM	45 Mil Unreinforced EPDM	60 Mil EverGuard® TPO	45 Mil EverGuard® TPO								
90	92	94	96	98	100	102	104	106	108	110	Sq ft
8.36	8.55	8.73	8.92	9.1	9.29	9.48	9.66	9.85	10.03	10.22	Sq m

### Relative Cost\* – Mechanically Attached Roof Cost/ft²

60 Mil Reinforced EPDM	45 Mil Reinforced EPDM	60 Mil EverGuard® TPO	45 Mil EverGuard® TPO												
90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	Sq ft
8.36	8.55	8.73	8.92	9.1	9.29	9.48	9.66	9.85	10.03	10.22	10.4	10.59	10.78	10.96	Sq m

\*Relative installed cost based on national average.  
60 Mil EverGuard® TPO = 100%



## Proof FOUR: ENERGY-EFFICIENT CHOICE

**TPO is the clear winner** when it comes to energy efficiency!

- On a sunny summer day, a black roof can reach temperatures in excess of 170°F (76.7°C).
- A highly reflective white EverGuard® roof can be as low as 110°F (43.3°C).
- EverGuard® roofs transmit much less solar radiation (versus black EPDM) into your facility, thereby resulting in energy savings.
- TPO's highly reflective material helps to reduce overall demand charge on commercial buildings, which accounts for 30–70% of a total electricity bill.

**Beware of energy "savings" calculations** for dark roofs in cold winter climates that often ignore:

- Cloud cover or days with no sun
- Hours of daylight
- Snow cover
- The low angle of the sun

These factors can significantly impact the energy savings calculation for a dark roof!



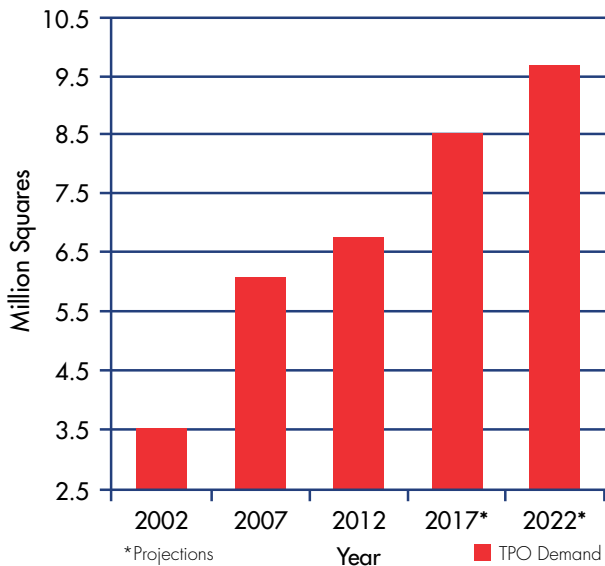
EverGuard® TPO can also be manufactured in virtually any color to meet your specific design needs, including "Cool Colors" that are ENERGY STAR® qualified (U.S. only).

# TPO Is The Fastest Growing Single-Ply Roofing Membrane— Don't Be Saddled With Outdated Technology!

TPO systems have grown from just a tiny share of the single-ply roofing market to become, by some accounts, the *#1-preferred* single-ply roofing product. Their flexibility for use in virtually any application has also made them the *fastest growing* single-ply roofing systems.

## **Growth Of TPO Roofing**

(Source: The Freedonia Group, Inc.)



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