

SINGLE-PLY TPO ROOF GUIDE



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ROOFING
SHEET METAL & GUTTERS

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WHAT IS TPO?

TPO, or thermoplastic polyolefin, is a single-ply, reflective roofing membrane made by combining polypropylene with ethylene-propylene rubber. Known for its durability and energy efficiency, TPO roofing is rapidly gaining popularity due to its low maintenance needs and strong resistance to hail, wind, moisture, and harsh weather conditions.

HOW IS TPO INSTALLED?

Our team installs TPO roofing by mechanically securing it to the building's substrate for a durable and long-lasting application. We begin by laying down insulation, selecting the appropriate material and thickness based on the desired R-value.

Next, a cover board is placed over the insulation and fastened to the substrate using metal plates and fasteners, creating a solid, even surface. The TPO membrane is then rolled out in sheets, starting from the lowest point of the roof to ensure proper water runoff. Finally, our crew heat-welds the seams together, forming a seamless, weather-resistant barrier.

BUILDING TYPES THAT USE TPO

TPO roofing is a versatile option for various building types, thanks to its strong resistance to hail. Its exceptional energy efficiency makes it ideal for structures in regions with extreme seasonal temperatures.

Additionally, its Class A fire rating provides enhanced protection, making it a great choice for restaurants and buildings in wildfire-prone areas.

- **Manufacturing Facilities**
- **Retail Buildings**
- **Educational Facilities**
- **Healthcare Facilities**
- **Religious Buildings**
- **Office Buildings**
- **Government Buildings**
- **Hotels and Resorts**