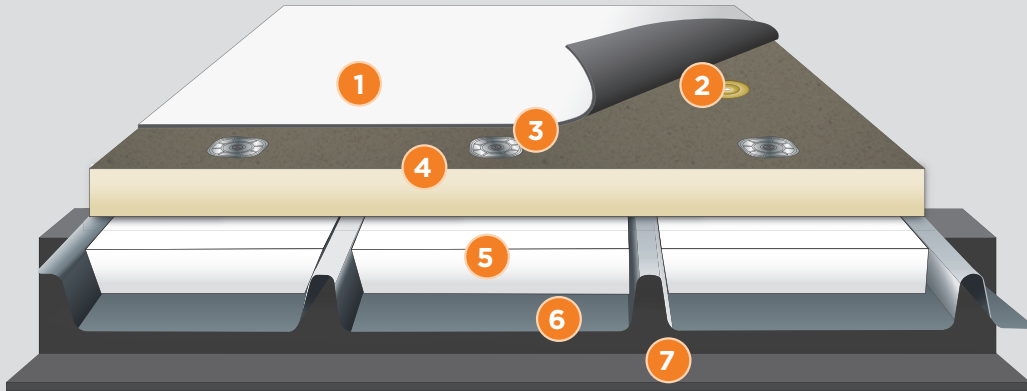


WeatherBond TPO

Induction Welded Metal Retrofit System



Typical Application

- 1 WeatherBond TPO Reinforced Membrane
- 2 Induction Welding Plates with HP Purlin Fasteners
- 3 Insulation Fasteners and Plates
- 4 Acceptable Insulation
- 5 Flute Fill Insulation
- 6 Existing Metal Roof
- 7 Structural Purlin

WeatherBond TPO Membrane for Metal Retrofit Systems is available in the following:

Colors:	White, Gray, and Tan. Special Colors*: Medium Bronze, Patina Green, Rock Brown, Terra Cotta, and Slate Gray
Thicknesses (mils):	60 and 80
Standard Widths:	4', 6', 8', 10', and 12'
Standard Lengths:	100'

*Special Colors available only in 60-mil and 5' and 10' sheets

System Features and Benefits

- 60- and 80-mil membrane thicknesses
- Available in standard white, gray, and tan, in addition to medium bronze, patina green, rock brown, terra cotta, and slate gray
- Adds additional insulating value
- Heat-weldable seams
- Roofing membrane is ENERGY STAR®* qualified, CRRC rated and can contribute to LEED® requirements*
- High wind uplift performance
- Industry-leading OctaGuard XT™ Weathering Package provides improved weatherability, durability, and long-term rooftop performance

*Standard colors only

WeatherBond TPO Membrane

WeatherBond TPO is a premium, heat-weldable, single-ply thermoplastic polyolefin membrane, engineered to provide outstanding long-term performance in new roof construction and re-roofing applications. All WeatherBond TPO membranes utilize the patented OctaGuard XT weathering package technology, which is able to withstand extreme durability testing intended to simulate exposure to several climates.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

WeatherBond TPO Accessories

WeatherBond also offers over a dozen prefabricated, in-stock, standard-order accessories, and countless custom-order accessories. All carry a CFA (Certified Fabricated Accessory) stamp of approval, so you know they are manufactured to the highest standards. Every WeatherBond CFA-approved accessory saves time and money during installation.



Installation

An acceptable insulation is used to fill the metal deck flutes. A subsequent layer of insulation or coverboard is then installed and secured to the purlins using induction welding plates and purlin fasteners.

Metal Retrofit Induction Welded Roofing System

WeatherBond TPO reinforced membrane is laid over top of the induction welding plates. Adjoining membrane sheets are hot air welded together using an approved auto hot air welder. Induction welding plates and membrane are welded together using the appropriate induction welding tool and heat-sink magnets.

Membrane and System Strengths

- Economically installed over existing metal roofs
- Specially designed fastening system using induction welding plates anchored into the structural purlins (the strongest point of the roof) provides optimum performance
- Installs easily over most aged metal roofs
- Heat-weldable seams provide a complete and monolithic membrane assembly
- WeatherBond TPO reinforced membranes are durable, highly puncture resistant, and ENERGY STAR qualified for a cool roof design



Induction Welded System

Flutes of Existing Metal Roof are filled with an Acceptable Insulation

Flute Filler Attached By	Insulation is loose-laid into flutes
Approved insulation is then laid over Flute Fill Insulation	
Insulation Attached By	Insulation is mechanically fastened into existing metal with Insultite or HPVW Fasteners
Membrane Attached By	HP Purlin Fasteners and Induction Welding Plates (attached to structural purlins)



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*ENERGY STAR qualification is only valid in the U.S. LEED is a registered trademark of the U.S. Green Building Council.