

Firestone UltraPly™ TPO

PREMIUM PROTECTION. PROVEN PERFORMANCE.



Firestone

BUILDING PRODUCTS

NOBODY COVERS YOU BETTER.™

Reflects the Sun. Reduces Your Bills.

CALLED "COOL ROOFS" FOR THEIR ABILITY TO REFLECT THE SUN'S ENERGY, THERMOPLASTIC POLYOLEFIN (TPO) ROOFS COUPLED WITH INSULATION ARE AN IDEAL COMMERCIAL ROOFING SYSTEM BECAUSE OF THEIR PERFORMANCE, RELIABILITY AND THEIR ABILITY TO SIGNIFICANTLY REDUCE THE ROOF'S SURFACE TEMPERATURE. THE LIGHT-COLORED ROOFING MEMBRANE INCREASES INDOOR COMFORT AND SAVES ON ELECTRICITY BILLS BY REDUCING THE COST OF AIR CONDITIONING. COMPARED TO PVC ROOFING, TPO HAS BETTER PUNCTURE RESISTANCE, ESPECIALLY AGAINST HAIL, IS ENVIRONMENTALLY FRIENDLIER AND ALSO COSTS LESS.



WHY FIRESTONE ULTRAPLY TPO

Greater energy efficiency makes TPO the fastest growing, sustainable commercial roofing product available.

With nearly two decades of experience with TPO, Firestone proudly stands behind our UltraPly brand with our Red Shield® Warranty, which covers your roof for up to 30 years. Additionally, our TPO formulation, introduced in 1998, is designed to provide excellent ozone and chemical resistance, ensuring long-term roof performance.

UltraPly TPO System Options • Installed as mechanically-attached, fully-adhered and ballasted systems
 • Available in 8', 10' and 12'4" widths • Your choice of white, tan or gray • Designed for low-slope application

Legendary warranty 30-year Platinum™, 25-year Medallion™ and 5-20 year Red Shield Warranties stand alone in the industry. No other manufacturer has the resources to match this guarantee



I t r a P l y TM T P O



ENHANCED ENERGY EFFICIENCY

White reflective surface exceeds the EPA's ENERGY STAR® requirements. White, tan and gray are listed with the Cool Roof Rating Council. Plus, white and tan are compliant with California's Title 24 Energy Efficiency Building Standards and can be used to gain credits with LEED® (Leadership in Energy and Environmental Design).

LONG-LASTING PERFORMANCE

Resists degradation from ultraviolet (UV) radiation and ozone. Guards against erosion from harmful chemicals and microbial growth, performing at more than three times the ASTM International standard for weathering resistance.

LESS ENVIRONMENTAL IMPACT

Firestone's manufacturing plants are ISO-9001 certified and located to provide nationwide coverage. Firestone UltraPly TPO can add LEED® points to the design, construction, operation and maintenance of a commercial building. Plus, the proximity of product availability reduces greenhouse gas emission and contributes to energy conservation. Firestone UltraPly TPO does not contain chlorinated or halogenated components.

EXCELLENT DURABILITY AND STRENGTH

Average thickness over scrim of 17- and 21-mils on the 45- and 60-mil products, respectively, provides enhanced puncture, tear and abrasion resistance.

EXCELLENT WIND UPLIFT RESISTANCE

Firestone Wide-Weld™ TPO seaming technology creates a full-width seam extending on both sides of the seam attachment. This process allows uplift forces to be distributed uniformly along all edges of the fastening system for improved wind resistance.



F i r e s t o n e U l t r a P l y [™] P

The Exceptional Long-Term Value for Building Owners

— 30-Year Warranty. 30-Year Peace of Mind. —

FOR DURABILITY AND DEPENDABILITY, ULTRAPLY PLATINUM TPO DELIVERS. FIRESTONE'S ULTRAPLY PLATINUM TPO SYSTEM CAN BE MECHANICALLY ATTACHED OR FULLY ADHERED, GIVING YOU ADDED VERSATILITY. ADDITIONALLY, THE WHITE, REFLECTIVE SURFACE EXCEEDS ENERGY STAR® STANDARDS FOR ENERGY SAVINGS IN WARM CLIMATES, MAKING IT AN EXCEPTIONAL VALUE NO MATTER HOW YOU LOOK AT IT.



While our UltraPly Platinum TPO is already backed by an exceptional 30-year warranty, it can be further enhanced through the use of Firestone HailGard™ insulation to protect against nature's harshest elements including 2" hail, 100 mph winds and accidental punctures. This reduces roof maintenance and replacement expenses by extending roof life.

ULTRAPLY PLATINUM TPO SYSTEM BENEFITS

- 80-mil thick reinforced membrane
- 30-year warranty
- Exceeds EPA's ENERGY STAR® requirements
- Excellent field seams and high wind ratings
- No chlorinated or halogenated components

MULTIPLE COVERAGE TYPES AVAILABLE

- Puncture: covers incidental punctures
- Puncture/hail: covers punctures of up to 2" diameter hail
- Puncture/hail/wind: covers punctures, hail and 100 mph wind

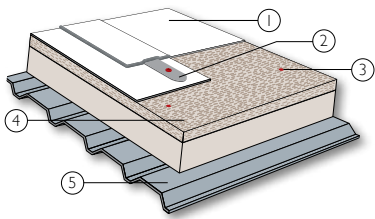
PATENTED WIDE-WELD™ SEAMING TECHNOLOGY

- Superior strength for high wind areas
- Higher wind uplift ratings than traditional single-weld systems
- Full width seam distributes uplift forces uniformly

Platinum™ TPO System

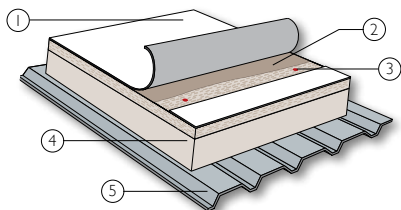


UltraPly TPO Platinum Mechanically Attached



1. Firestone UltraPly Platinum TPO with Wide-Weld™ Seam Technology
2. Firestone Batten Strip and Fasteners
3. Firestone HailGard™ Fasteners
4. Firestone HailGard Insulation
5. Roof Deck

UltraPly TPO Platinum Fully Adhered



1. Firestone UltraPly Platinum TPO with Wide-Weld Seam Technology
2. Firestone UltraPly TPO Bonding Adhesive
3. Firestone HailGard Fasteners
4. Firestone HailGard Insulation
5. Roof Deck

Firestone UltraPly™ TPO XR

An Easy Choice for Greater Versatility and Strength

WHETHER YOU'RE PUTTING ON A NEW ROOF, OR COVERING YOUR EXISTING SYSTEM, ULTRAPLY TPO XR IS THE IDEAL CHOICE



With a backing of eight-ounce, non-woven polyester fleece, UltraPly TPO XR membrane provides remarkable puncture resistance. The attributes of TPO membrane are combined with the great adhesion of fleeceback using a variety of time-saving methods. Besides installation with hot asphalt or XR Bonding Adhesive, Firestone offers choices of low-rise foam adhesives. XR Stick and ISO SPRAY S are both two-part polyurethane foam adhesives specifically designed for use with UltraPly TPO XR membrane. They provide quick and easy installation with proven performance.

ULTRAPLY TPO XR BENEFITS

• ULTRAPLY TPO XR MEMBRANE BENEFITS

- Two thickness options – XR 100 (45 mil) and XR 115 (60 mil)
- Quick and easy installation methods, especially efficient for large areas
- Superior cut and puncture resistance, enhancing sustainability
- Excellent resistance to microbial growth, environmental pollutants and UV rays
- CRRC rated and may contribute to LEED® points
- Ideally suited for reroof applications and new construction



Firestone ReflexEON™ TPO

A Brighter, More Reflective Membrane = Greater Energy Efficiency

UNSURPASSED SOLAR REFLECTIVITY IN THE INDUSTRY MAKES
REFLEXEON TPO THE EFFICIENT CHOICE.



Light-colored roofs reflect UV radiation and improve a building's energy efficiency. ReflexEON TPO has the highest solar reflectivity of any TPO roofing membrane after 3 years of aging as tested by the Cool Roof Rating Council (CRRC). Its enhanced formulation provides uncompromised weatherability and durability year after year.



ReflexEON TPO is significantly brighter than standard TPO membrane, so you can reduce your energy bills even more.



Firestone Ultraply™ TPO InvisiWeld™ System

NON-PENETRATING FASTENING SYSTEM

The patented InvisiWeld system uses advanced technology to mechanically install TPO roofs without fasteners penetrating the UltraPly TPO membrane. This results in considerable savings in labor and material costs.



In a short 2-step process, UltraPly TPO InvisiWeld plates are used to attach the Firestone insulation or cover board to the roof deck. Then the TPO-coated plates are welded to the underside of the UltraPly TPO membrane through patented heat induction technology.

I n s u l a t i o n a n d C o v e r B o a r d s



Firestone Polyiso Insulation & Cover Board

FIRESTONE ISO 95+™ GL POLYISO FLAT & TAPERED INSULATION

THE LIGHTWEIGHT, EASY-TO-HANDLE INSULATION

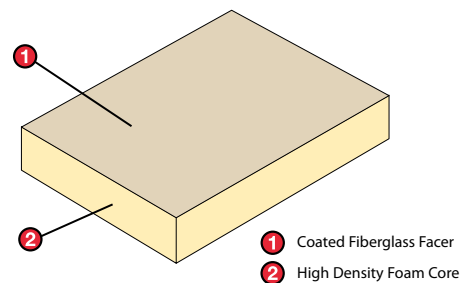
ISO 95+ GL Insulation has the highest R-Value rating per inch, and can be attached with hot asphalt or low-rise foam adhesive to various substrates, or mechanically fastened with Firestone fasteners and plates. Meets UL I256 and FM 4450 requirements for direct-to-steel deck assemblies.



FIRESTONE ISOGARD™ HD COVER BOARD

ADDED PROTECTION FOR ANY ROOF

ISOGARD HD Cover Board combines impact resistance, energy savings and ease of installation in a single, durable product. It has the highest thermal performance of any 1/2" insulation cover board product on the market, plus provides greater UL fire ratings, greater structural strength, excellent wind uplift performance and more.



Red is the New Green

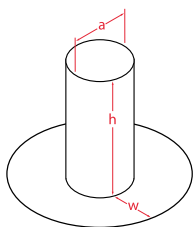
THE FIRESTONE ENVIRO-READY™ ROOFING SYSTEM WITH FIRESTONE WARRANTY COVERAGE ALLOWS BUILDING OWNERS TO INSTALL A HIGH-QUALITY CONVENTIONAL ROOF TODAY AND EASILY UPGRADE IT TO GREENER ROOFING TECHNOLOGIES—SUCH AS DAYLIGHTING SYSTEMS OR PV PANELS—UP TO 7 YEARS INTO THE FUTURE.



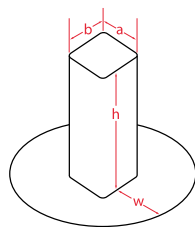
ULTRAPLY™ TPO CUSTOM ACCESSORIES

NO TWO ROOFS ARE THE SAME. FOR THOSE WITH UNIQUE ROOF DESIGNS AND ELEMENTS, IT PAYS TO HAVE CUSTOMIZED ULTRAPLY TPO ACCESSORIES FROM A COMPANY YOU CAN TRUST. ALL OF OUR STANDARD AND CUSTOM TPO ACCESSORIES ARE BRANDED WITH THE FIRESTONE NAME AND ARE COVERED IN THE FIRESTONE WARRANTY. THESE MADE-TO-ORDER ACCESSORIES CAN SAVE TIME AND MONEY, WITH A VARIETY OF OPTIONS DESIGNED TO ENABLE A PROFESSIONAL INSTALLATION ON EVERY PROJECT.

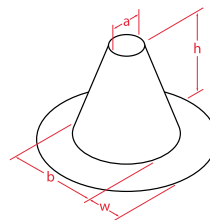
Available Custom Accessories:



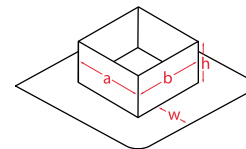
Round Pipe Boot



Square Boot



Coned Boot



Curb Flashing

The Firestone Difference

One Source. Many Choices.

SERVICE, STATE-OF-THE-ART PRODUCTS, EXPERTISE – THESE ARE JUST A FEW REASONS WHY CONTRACTORS, BUILDING OWNERS, ARCHITECTS AND SPECIFIERS HAVE TRUSTED FIRESTONE BUILDING PRODUCTS FOR THEIR ROOFING NEEDS. FIRESTONE ROOFING SYSTEMS CONSISTENTLY DELIVER ON TWO CRITICAL NEEDS ALL BUILDING OWNERS DEMAND: OUTSTANDING DURABILITY AND LOW LIFE-CYCLE COST. TRUST FIRESTONE TO BRING YOU THE DEPTH OF RESOURCES TO ENSURE THE RIGHT SYSTEM FOR YOUR NEEDS, WHETHER FOR ONE BUILDING OR MANY.

MANUFACTURING

19 facilities throughout North America

PRODUCTS

Offers single-ply and APP/SBS modified bitumen roofing systems, metal roofing systems, polyiso insulation and a full line of accessories

QUALITY CONTROL

Each manufacturing facility meets or exceeds ISO 9001

EXPERTISE

Installation experts and product support, plus a wide-ranging network of contractors, distributors and field sales representatives

STABILITY AND INNOVATION

More than 100 years of success in rubber and polymer technology

RESOURCES

Part of Bridgestone/Firestone, the world's largest tire and rubber company offering a broad depth of raw materials availability for your convenience

R&D COMMITMENT

Annually invests millions of dollars in research and development

GREEN FOCUSED

Plays a global role in protecting the environment by focusing on recyclability, reflectivity, conservation and sustainability including the elimination of PVC from our product line. Each manufacturing facility meets or exceeds ISO 14001

Firestone
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NOBODY COVERS YOU BETTER.™

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