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# ULTRAPLY™ TPO

## BROCHURE

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**Firestone**  
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# **FIRESTONE ULTRAPLY™ TPO**

PREMIUM QUALITY. PROVEN PERFORMANCE

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**PREMIUM QUALITY  
SINCE 1996**

FIRESTONE'S ULTRAPLY TPO IS A FLEXIBLE THERMOPLASTIC POLYOLEFIN (TPO) ROOFING MEMBRANE MADE FROM THE INCORPORATION OF AN ETHYLENE PROPYLENE RUBBER INTO A POLYPROPYLENE MATRIX AND PRODUCED WITH A POLYESTER WEFT-INSERTED SCRIM REINFORCEMENT.

IT COMBINES THE FLEXIBILITY OF RUBBER WITH THE HEAT WELDABILITY OF A THERMOPLASTIC INTO A MEMBRANE WITH EXCELLENT LAYFLAT CHARACTERISTICS.

WITH AN UNCHANGED FORMULATION SINCE 1996, ULTRAPLY TPO IS THE SMART CHOICE WHEN SEEKING A LIGHT COLORED, ENVIRONMENTALLY FRIENDLY ROOFING SYSTEM THAT COMBINES AESTHETICS WITH STRONG RESISTANCE TO UV RADIATION, WEATHERING AND OUTSTANDING SEAM STRENGTH.



#### COMPLETE SOLUTION

Complete range of accessories and other roofing system components. Comprehensive technical support from concept to completion.



#### PROFITABLE

Fast growing market for commercial and industrial roofing projects.



#### TPO SIMPLIFIED

One membrane for all roof areas and applications. Wide welding window.



#### ECOLOGICAL

Does not contain plasticizers, halogens or heavy metals. Does not release harmful substances.



#### PROVEN PRODUCT

High quality formulation and consistent, durable performance.



Irizar e-mobility (Spain)



## COMPLETE SOLUTION FROM A SINGLE SOURCE

The secret of a high-performance and durable roofing system is not limited to the waterproofing membrane. Firestone Building Products is therefore committed to delivering high quality, compatible products and comprehensive support at each step of the process.

Firestone's complete range of roofing accessories, including bonding adhesives, flashings and premolded accessories, etc., is designed to guarantee the best results. Other roofing system components such as PIR insulation boards, cover boards and vapor control layers are also available from Firestone. All have been optimized to work well together, which further enhances the overall system performance.

Besides using superior products, the key to a successful roofing project is a high quality installation. Firestone Building Products offers its network of contractors comprehensive technical support at every step of the way, including training programs from beginners to advanced level, on-site assistance at job start-up and roof inspections, among others.



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## TPO SIMPLIFIED

The UltraPly TPO roofing membrane can be white or gray and is available in several thicknesses and widths.

The same membrane can be used for all roof areas (main roof area, upstands, etc), all applications (green roofs, solar roofs, etc) and all types of systems. Its wide welding window further facilitates installation.



Les Treffles School (Belgium)

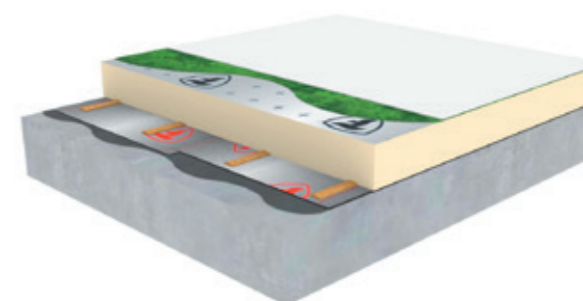
## CHOOSING THE RIGHT SYSTEM

Firestone offers a variety of installation options to meet the most demanding rooftop challenges for both renovation and new build projects.



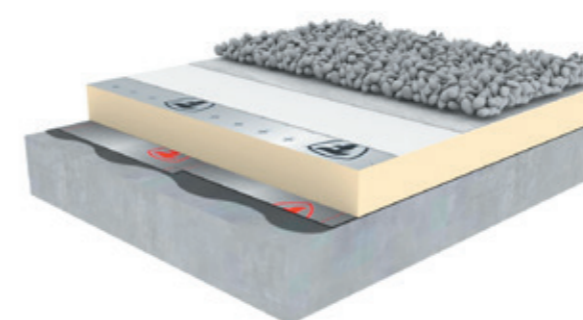
### MECHANICALLY ATTACHED SYSTEM

Membrane panels are attached in the overlaps of adjoining sheets using approved plates and fasteners. The induction welding system is a non-penetrating variation of the conventional mechanically attached system, where membrane panels are welded on a grid of TPO induction welding plates.



### FULLY ADHERED SYSTEM

Membrane panels are fully adhered directly to an acceptable substrate Firestone bonding adhesives.



### BALLASTED SYSTEM

The membrane is loosely laid over the substrate and held in place using approved ballast.



## PROVEN PRODUCT

UltraPly TPO is a premium roofing membrane that is compounded using a proper balance of flexible polyolefin polymers, high quality UV, heat and ozone stabilizers, antioxidants, non-halogenated fire retardants and pigments.

The right chemical balance - the correct formulation - is key to the long-term performance of the membrane.

With an unchanged formulation since 1996, UltraPly TPO exhibits excellent lab and real-world results, even after decades of exposure in regions with high UV radiation levels.



## PROFITABLE

Thermoplastic polyolefin (TPO) membranes, available in the market since the late 1990s, are one of today's fastest growing products for commercial and industrial roofing projects. But not all TPO membranes are the same.

The resilience and durability of UltraPly TPO, paired with the full support offered by Firestone every step of the way, translates into smooth, problem-free jobs and more satisfied customers.

Join Firestone's network of authorized contractors today and find out why Nobody Covers you Better than Firestone.





## ECOLOGICAL

The UltraPly TPO roofing membrane has a low environmental impact. It does not contain plasticizers, halogens or heavy metals and does not release harmful substances.

The UltraPly TPO roofing system also contributes to achieving high rating levels in green building programs such as BREEAM and LEED and delivers a reliable, safe and durable solution for green, solar and blue roofs.





## THE FIRESTONE DIFFERENCE

### WE'VE GOT YOU COVERED

Quality products, outstanding service, advanced systems, extensive list of codes and approvals, expertise... These are just a few reasons why architects, specifiers, contractors and building owners have trusted Firestone Building Products since 1980.

Part of Holcim Ltd, the world's global leader in building solutions, Firestone Building Products consistently delivers the two critical characteristics that all end-customers demand: outstanding durability and low life cycle cost.

## ENVIRONMENTAL INITIATIVE

At Firestone Building Products, our environmental mission is simple: to help ensure a healthy environment for current and future generations. We are constantly striving to develop eco-friendly products and processes that pave the way for a brighter tomorrow.

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Firestone Building Products

[www.firestonebpe.com](http://www.firestonebpe.com)

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