

Parasolo™ Single Ply Roof Systems



High performance, synthetic options from your trusted partner in commercial roofing.



Parasolo thermoplastic roof membranes bring the Siplast service level and commitment to projects appropriate for single-ply applications.

A History of Innovation & Service

Siplast's approach to commercial roofing has always been to provide owners and specifiers with lasting solutions based on high-performance products of consistent quality. We focus on quality design, service, and products appropriate for the specific requirements of each Siplast project.

Since the 1960s, Siplast roofing and waterproofing systems have protected the most mission-critical facilities with redundant, robust SBS membrane systems and highly engineered

liquid-applied membranes. In that time frame, Siplast has introduced numerous innovations to meet the changing needs of building owners. In that spirit, we are proud to offer a wide range of synthetic membrane solutions backed by the same service and commitment the industry expects from Siplast: Parasolo PVC, Parasolo KEE and Parasolo TPX.

Parasolo PVC, KEE and TPX are premium membranes that are appropriate in situations where a synthetic membrane meets the needs of the building owner. Warehouses, office space, retail facilities, and roofs with little anticipated traffic can be well-suited for a single ply solution. With Parasolo thermoplastic membranes, owners of such facilities can enjoy the same partnership approach to roofing that has been the Siplast standard for decades.

Crews skilled in the application of Parasolo systems can create aesthetically pleasing finished roofs.



Quality & the Science of Resistance to Conditions and Materials that Adversely Affect Synthetic Roof Membranes

Parasolo membranes are subjected to a stringent series of quality control tests to ensure that the product meets the specific performance criteria for a particular application.

Parasolo PVC Membranes

Parasolo PVC is formulated to meet the same high standards you have come to expect from Siplast's asphaltic and liquid products. Parasolo PVC is a strong option for a building owner who cares about performance on a budget while looking for a membrane that offers superior performance compared to TPO when exposed to oil, grease and many other chemicals¹.

Parasolo PVC is offered in 50, 60 and 80-mil thicknesses with smooth and fleece-back options.

Parasolo KEE Membranes

Parasolo KEE utilizes a formula that incorporates Elvaloy² copolymer, a non-migrating solid flexibilizer, to achieve exceptional results in regard to resistance to weathering, mitigation of algae growth, and providing chemical.

Parasolo KEE is formulated to provide protection against¹:

- **Weathering.** In testing, Parasolo KEE membranes far exceed industry standards using ASTM G154, the standard for Accelerated Weathering (UV resistance).
- **Algae.** Parasolo KEE's Elvaloy^{®1} plasticizers help mitigate the growth of algae, a primary cause of reduced or diminished reflectivity.

1. Siplast warranties and guarantees do not provide coverage for chemical exposure. Refer to siplast.com for more information on warranty and guarantee coverage and restrictions.

2. Elvaloy[®] is a registered trademark of DuPont™

3. Per ASTM D573-13.

Parasolo PVC and KEE - True Thickness Options

ASTM standards for thermoplastic membranes allow for significant thickness variation, up to 10%. This means that a 60-mil product can have an actual thickness of 54 mils. Siplast offers True Thickness options for both Parasolo PVC and KEE sheets. For example, a Siplast True Thickness variant of 60-mil sheet will have an actual thickness of 60 mils.

Parasolo TPX

Parasolo TPX is Siplast's high performance alternative to conventional TPO Membranes. Parasolo TPX is a TPO formulation designed to provide superior long term performance³ while allowing specifiers and building owners to experience traditional Siplast levels of service. Parasolo TPX is formulated to provide robust weathering capabilities and performance under high temperature service conditions. Parasolo TPX has excellent seam welding properties to help ensure strong seams and prevent water infiltration.

Parasolo TPX is offered in 60 and 80-mil thicknesses with smooth and fleece-back options.

Parafast Adhesive T low-rise foam adhesive for fleece-back systems offers an efficient application option.



System Options to Meet Project Needs

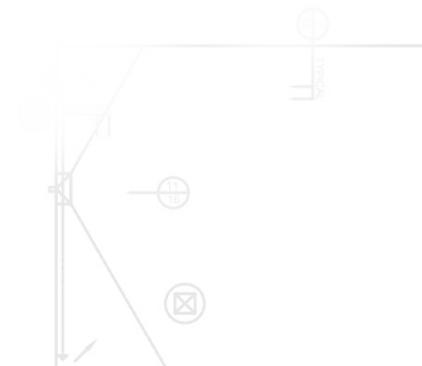
Parasolo PVC, KEE and TPX can be installed in a variety of configurations, including multi-layer hybrid systems or traditional single ply applications, depending on the requirements of each project. Each system can provide a variety of core benefits including:

- Solar reflectance
- Cold weather installation options
- Low VOC installation options available
- Weathering resistance
- Lower cost installation options available

Key: ● Good ●● Better ●●● Best	Single-Ply Systems				
	SBS/Thermoplastic Hybrid	Induction Welded	Mechanically-Attached	Adhered, Solvent-Based Adhesive	Adhered, Low-Rise Foam Adhesive
	Paradiene 20 & Parasolo Fleece-Back	Parasolo Smooth-Back	Parasolo Smooth & Fleece-Back	Parasolo Smooth-Back	Parasolo Fleece-Back
Weathering Resistance ¹	●●●	●●●	●●●	●●●	●●●
Solar Reflectance ¹	●●●	●●●	●●●	●●●	●●●
Algae Resistance ¹	●●	●●	●●	●●	●●
VOC Compliance Options ²	●●●	●●●	●●●	●●●	●●●
Cold Weather Application	●●	●●●	●●●	●●	●●
Low Odor Options	●●●	●●●	●●●	●	●●●
Application Efficiency (fast installation)	●	●●●	●●●	●●	●●
Multi-Ply Redundancy	●●●	N/A	N/A	N/A	N/A
Phased Construction	●●●	N/A	N/A	N/A	N/A
Low Installed Cost	●	●●●	●●●	●●	●●

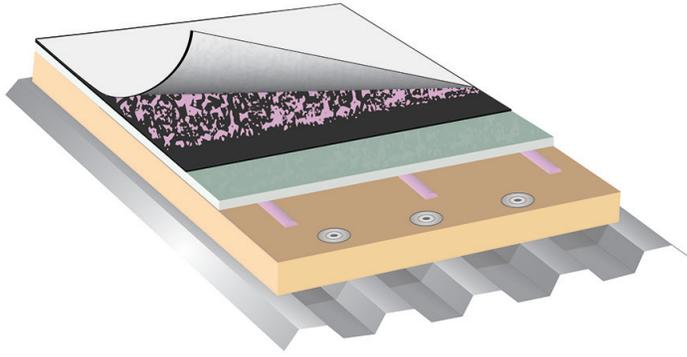
1. See data sheets at siplast.com for more details.
2. Please refer to the South Coast Air Quality District and OTC State Standards.

Mechanically-attached systems offer a low-odor alternative.



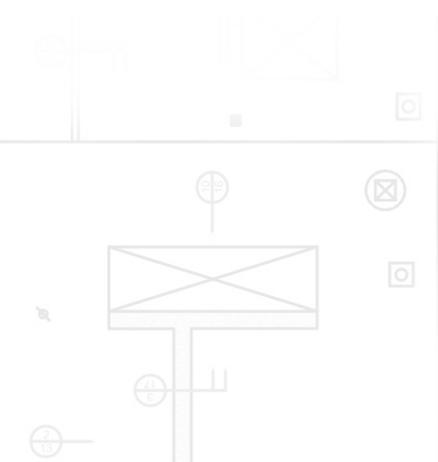
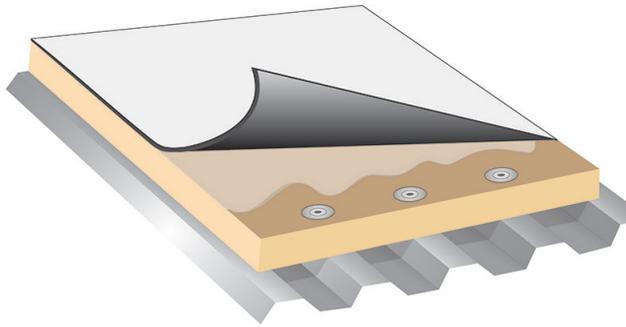
Hybrid Systems Incorporating a SBS Base Ply with a Parasolo PVC, KEE or TPX Thermoplastic Finish Ply

For projects requiring the assurance of an elastomeric base ply, Parasolo Membranes can be installed in a multi-ply hybrid application. The resulting roof membrane combines the elongation and recovery of Siplast's time proven SBS-modified bitumen Paradiene 20 base ply with the high performance formulation of a Parasolo synthetic membrane. The elastomeric Paradiene 20 base ply absorbs roof stresses while the Parasolo finish ply shields the base from the elements and offers a bright white surface.



Parasolo KEE, PVC and TPX Single-Ply Systems

With fewer seams than traditional multi-ply systems, prefabricated detail accessories, and a highly reflective bright white surface, Parasolo Single-Ply Systems provide a solution for building owners who might not need the "belt and suspenders" approach of a multi-ply system, but still require a reliable roof backed by Siplast service and expertise.



Application of Parasolo on parapet walls creates a clean finished look.



Parapro 123 PMMA Liquid-Applied Flashing is a high-performance, durable flashing option.

PMMA and STP Flashing Options

Siplast is a leader in liquid-applied detailing solutions to address both common and more challenging, difficult detail conditions. That tradition continues with the use of Parapro and Paraflex Flashing Membranes to flash Parasolo

PVC and KEE systems. Parasolo PVC and KEE Membranes can benefit from the advantages of PMMA flashing solutions, including efficient application, durability, and fast cure. Paraflex, Siplast's single component, moisture cure flashing system, is a low odor option for flashing Parasolo KEE Membranes.



Prefabricated Parasolo PVC, KEE and TPX accessories are an efficient way to address detail conditions.

Accessories

Siplast has always respected the importance of having roofing accessories engineered to work with our membranes. Prefabricated Parasolo accessories are an efficient way to address detail conditions. The following components are available:



Universal Corner – A single product that can be used to accommodate both inside and outside corners of base and curb flashings.



Conical Pipe Boot – For use in flashing round penetrations.



Inside Corner – Molded to accommodate inside corners of base and curb flashings.



Preformed Split Pipe Boot – Manufactured with a split opening to efficiently wrap most pipes and conduits.



T-Joint Cover Patch – Conforming seal for use over T-joints.



Square Tube Wrap – Split with overlap to wrap around square or rectangular tubing.




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Consistent heat welding and rolling seams helps ensure a successful application.



Cover Photo:

This completed Parasolo KEE adhered system offers a bright white finish and a clean aesthetic.