



# Parapro 123 Flashing & Roof Membrane Systems



# Liquid efficiency. Siplast standards.



Parapro Roof Membrane provides an excellent solution for the area surrounding the air handlers on this Paradiene 20 TG/ 30 FR TG roof.

## Innovation

One of the most successful commercial product innovations of the last century occurred in the 1930s when polymethyl methacrylate resins, commonly known as PMMA, were first synthesized. Practical applications for the new resin, which included everything from aircraft windshields to dentures, soon followed. The material proved to be exceptionally durable, and the use of PMMA grew rapidly. But in spite of its outstanding performance, the material was too rigid for use in waterproofing applications – until the 1970s.

That's when a PMMA formulation was developed that, once cured, was resilient rather than rigid. Today, Parapro Roof Membrane and Flashing Systems offer all the benefits of PMMA technology and liquid application in products that meet the performance standards of Siplast.

**Liquid-applied Parapro PMMA Roof Membrane solved logistical challenges associated with reroofing this downtown highrise.**

## Advantages

Jobs with difficult access, tight clearances, odd-shaped penetrations, and exposure to substances that can adversely affect conventional roofing materials can be a challenge for even the best traditional roofing plies. In such cases, a liquid-applied Parapro System is an excellent option. Parapro Roof Membrane can be used in conjunction with Siplast Paradiene roof membranes or as a stand-alone alternative to roofing sheets. Parapro is ideal for areas where flame-free application is required, water doesn't drain quickly or completely, or areas



requiring resistance to many conditions and substances that can negatively affect more traditional roofing products, including:

- Vegetable oils.
- Animal fats.
- Environmental contaminants.
- Foot traffic.
- UV.

In addition to performance advantages, the science of PMMA gives Parapro numerous advantages over other flame-free systems, including dramatically faster cure times than liquid-applied polyester and polyurethane products. Parapro resins are VOC compliant, and unlike many polyurethane materials are solvent-free, and isocyanate-free. The Parapro waterproofing layer is rainproof in 30 minutes and is ready for foot traffic in two hours. And Parapro offers greater inter-layer bond strength and improved durability against dynamic/static load versus polyester and polyurethane products.

### Quality

Siplast Parapro resins are manufactured at our state-of-the-art North American liquid resin manufacturing facility. In the Resin Laboratory, stringent quality control tests are performed on every batch of material we produce to ensure that all Parapro products meet key performance criteria. In addition, Siplast Research and Development continually studies issues related to application quality control, and long-term performance.

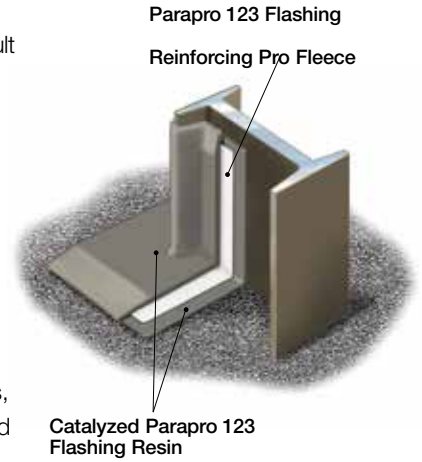
Siplast is committed to placing the same emphasis on quality, long-term liquid-applied roofing and flashing systems that has built our strong reputation as an industry leader and innovator in advanced SBS-modified bitumen roofing and waterproofing systems.

### Parapro Products

Parapro resins are each formulated to meet the demands of specific applications, from flashing and roofing to green roof waterproofing.

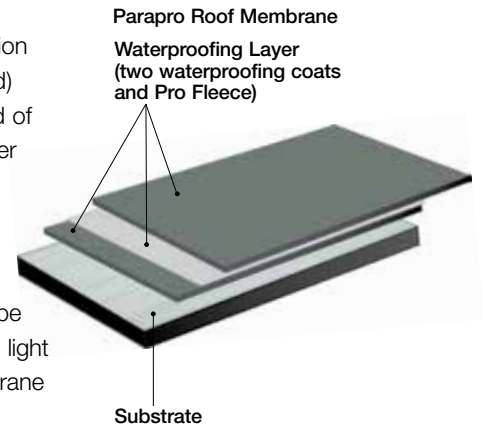
### Parapro 123 Flashing

Parapro 123 Flashing is an ideal solution for difficult flashing situations, including equipment supports, I-beams, H-beams, stanchions, conduit, and unusual penetrations. It is a layered application consisting of two coats of catalyzed, thixotropic PMMA resin encapsulating a layer of polyester fleece. Parapro 123 Flashing can be installed between the plies of Siplast SBS-modified bitumen roof systems, or on top of the Siplast Paradiene 30 finish ply. In addition, Parapro adheres to many common construction materials, including plastics, concrete, and steel. The finished application is fully reinforced and seamless.



### Parapro Roof Membrane

The Parapro Roof Membrane System is a seamless, fully reinforced, layered application consisting of one coat of primer (if required) and a waterproofing membrane comprised of two resin waterproofing coats and polyester fleece fabric. The completed high-mil thickness application provides a durable, resilient waterproofing membrane.



The Parapro Roof Membrane System can be surfaced with aggregate, and is available in light gray and white. White Parapro Roof Membrane is California Title 24 Part 6 compliant, and qualifies for LEED certification points as defined by the United States Green Building Council. Optional color finishes can be applied to the finished Parapro Roof Membrane, simplifying the application and maintenance of rooftop markings.

Parapro Roof Membrane Systems can be specified for green roofing applications. The built-in root-resistant capabilities of Parapro make it an excellent option for both extensive and intensive green assemblies.



Bright white, liquid-applied Parapro PMMA Roof Membrane offers cool roof benefits with exceptional durability.



### Siplast

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### Application

We recognize that providing quality products does not guarantee a successful job. So Siplast provides a network of trained contractors and field technical support. Parapro Systems are installed exclusively by Siplast Select Contractors. These independent professionals have met the qualifications of the toughest contractor certification program in the industry – ours. Their proven skill and dedication have demonstrated time and again that they regard themselves as members of a team dedicated to installing great roofing and waterproofing systems.

### Guarantee

Siplast offers a written guarantee covering workmanship and materials on all approved Parapro projects when Siplast materials are applied by a Siplast Select Contractor, provided all pre- and post-job procedures have been followed. Contact your Siplast Representative for a full explanation of the Siplast Parapro Guarantee.

Liquid-applied Parapro Roof Membrane provided an efficient solution for this crowded roof.



Cover Photo:

Bright white Parapro Roof Membrane offers durable protection for this facility in Colorado.



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

For information on Siplast Roofing and Waterproofing Systems, scan our QR code.