

PMMA Systems

Liquid-applied Roof Membrane Solutions



siplast[®]

With you every step of the way



Proven performance and protection

Siplast Parapro PMMA Liquid-Applied Systems

Today's builders are under intense pressure to keep job schedules on track, and eliminate callbacks. Fortunately, Siplast Parapro and Paracoat® PMMA Liquid-Applied Systems are formulated to make installations fast and ensure waterproofing protection that lasts.

Featuring significantly faster cure times than many other polyester and polyurethane systems, Siplast PMMA Systems offer a range of performance advantages to help you meet your project's toughest challenges.

- Ultra-fast cure time
- Low VOC
- Extreme durability
- Water/UV-resistant
- Heat-resistant
- Seamless coverage
- Withstands ponding water
- Provides protection against foot traffic*

* Siplast warranties and guarantees do not provide coverage against traffic.
Refer to siplast.com for more information on warranty and guarantee coverage and restrictions.

Formulated for a wide range of applications

First synthesized in the 1930s, Polymethyl methacrylate (PMMA) soon found uses in everything from aircraft windshields to dentures. Although highly durable, PMMA wasn't used for waterproofing until the 1970s, when a more flexible formulation for coatings was developed.

Today, Siplast PMMA Systems deliver exceptional durability and versatility for several roofing and flashing applications:

- Roofing
- Vegetated roofs
- Roof drains and penetrations
- Transitions
- Around HVAC equipment and other rooftop equipment



Siplast also offers PMMA solutions for waterproofing applications with its Terapro and Terapro VTS Systems.



NEW YORK

Jacob K. Javits Convention Center

The busy Jacob K. Javits Convention Center in New York City was in need of a multi-faceted reroofing solution. The project's goals included addressing existing leaks and helping realize the client's vision of becoming a role model for environmental leadership to the exhibition industry globally.

Parapro

Roof Membrane System

The Parapro Roof Membrane System is a seamless, fully reinforced, layered application consisting of a substrate-specific primer and a waterproofing membrane combining two resin waterproofing coats and polyester fleece fabric. The system forms a seamless, 90 mil monolithic membrane that supports fast installation on complex geometries and multiple penetrations, and offers greater inter-layer bond strength and durability against dynamic/static loads vs. polyester and polyurethane products. Parapro can be surfaced with aggregate, and is available in light gray, white, and optional color finishes.



Ultra-fast cure time

Rain-ready in 30 minutes and ready for foot traffic in two hours*, minimizing job site delays



Chemical resistant

Engineered to withstand corrosive HVAC cleaning products, plus oils, greases, and fats.**



Versatile application

Wide application temperatures — from 23°F to 104°F — helps keep projects on schedule

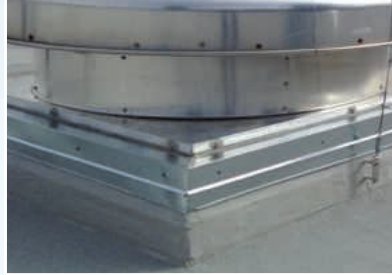


Durability

Resists the natural wear and tear associated with moisture, and heat- and cold-driven expansion and contraction

*Typical set/cure time at 68°F (20°C)

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



Parapro Roof Membrane Assembly

Parapro Roof Membrane

A monolithic, reinforced waterproofing roof membrane system

Pro Fleece

A non-woven, needle-punched polyester fabric reinforcement

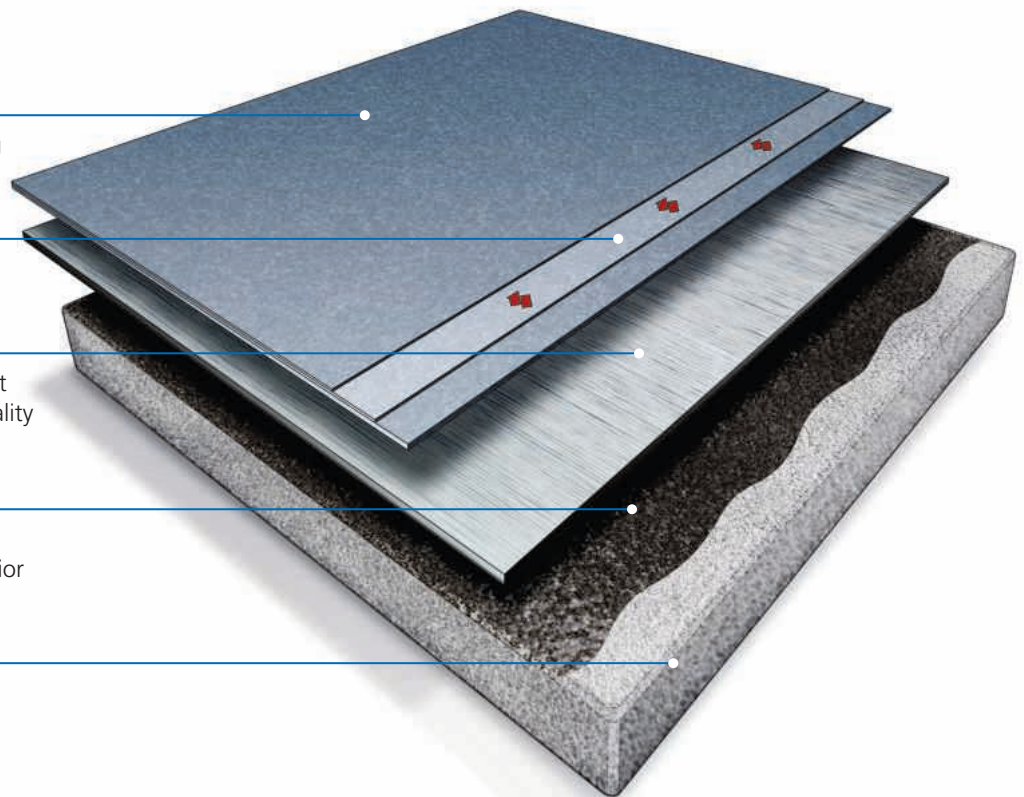
Pro Base TS

A lightweight random fibrous glass mat impregnated and coated with high-quality SBS-modified bitumen

Asphalt Primer

Various translucent primer options for common substrates that are applied prior to the Parapro Roof Membrane System

Structural Concrete



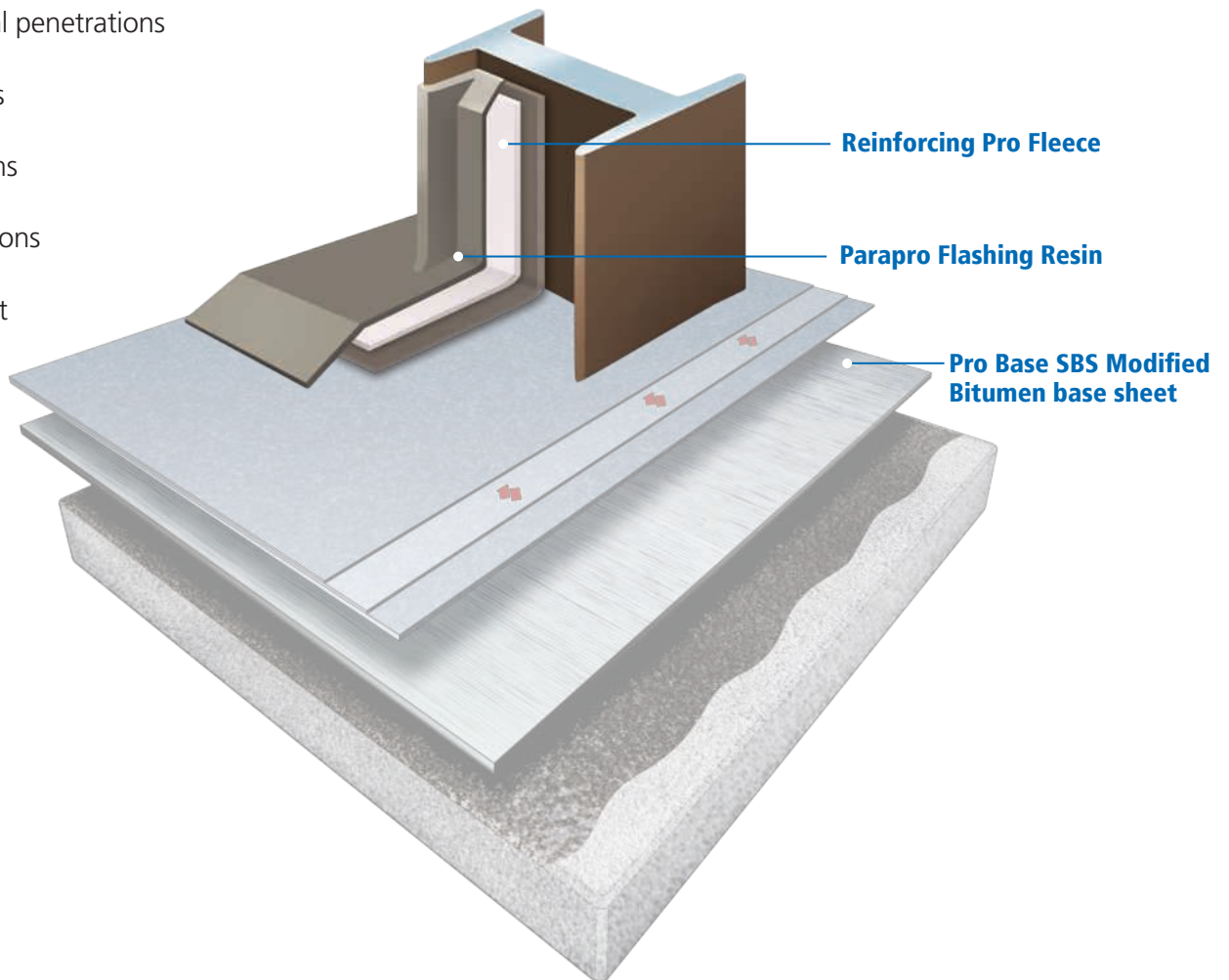
Use our **Parapro Roof Membrane Estimating Guide** to estimate the amount of product you'll need, including waste factor estimation tools.















Parapro Flashing

Parapro Flashing is a layered application consisting of two coats of catalyzed, thixotropic PMMA resin encapsulating a layer of polyester fleece. Engineered to adhere to many common construction materials — plastics, concrete, steel, and more — the finished application is fully reinforced and seamless, making it an ideal solution for a range of difficult flashing applications:

- Equipment supports
- Unusual penetrations
- I-beams
- H-beams
- Stanchions
- Conduit



Accessory	Description	Packaging
Pro Color Finish	 A pigmented, high-performance, multi-component, fast-curing PMMA resin; available in 16 standard colors, including gray (4 shades), beige, tan, teak, brown, terracotta, red (2 shades), green, blue, black, white, and yellow	10 kg pail
Pro Catalyst Powder	 White granular powder that is a reactive agent for use in initiating polymerization and curing of Parapro resins	Vented box containing 10 premeasured 0.1 kg (3.2 oz.) plastic bags (1 kg. total)
Pro Catalyst Liquid	 Reactive agent used to induce curing of Parapro, Terapro, and Pro resins	Plastic container with a collapsible silicone measuring cup and a plastic tablespoon (available in two sizes)
Pro Fleece	 Non-woven, needle-punched polyester fabric reinforcement	12 in x 82 ft. (305 mm x 25 m) 12 in x 164 ft. (305 mm x 50 m) 25 in x 164 ft. (630 mm x 50 m) 41 in x 164 ft. (1050 mm x 50 m)
Pro Prep	 Clear, blended solvent used to clean the transition areas of in-place Parapro and Terapro applications at tie-ins, repairs, and between staged coats of resin	1 gal (3.8 L) 5 gal (19 L)
Pro Natural Quartz	 Natural-colored, high-purity silica aggregate that is washed, kiln-dried, and suitable for broadcast	22.7 kg (50 lb.) bag
Pro Texture Beads	 Hardened, spherical soda-lime glass beads that can be broadcasted into wearing layer of Parapro applications to help provide skid resistance	5 kg (11 lb.) pails
Pro Base	 A lightweight random fibrous glass mat impregnated and coated with high-quality SBS-modified bitumen	Roll Length: 50 ft. (15.24 m) Roll Width: 3.28 ft. (1.0 m)
Pro Matrix Resin	 Fibrated PMMA based resin	10 kg (22 lb.) drum
Pro Mortar	 A two-component PMMA resin-based mortar	Part A: 8.25 kg. (18.2 lb.) pail Pro Mortar Aggregate Part B: 50 kg (110.4 lb.) bag (2 bags @ 25 kg each)
Pro Paste Resin	 A pebble gray, high-performance multi-component, fast-curing, PMMA resin paste	10 kg (22 lb.) drum
Paracoat PMMA Roof Coating	 High-performance, multi-component, fast-curing, and flexible PMMA roof coating resin	20 kg (45 lb.) drum

With you every step of the way

Since developing the first SBS-modified asphalt for roofing applications more than half a century ago, Siplast has been helping to protect some of the most unique and iconic structures across North America. We are committed to doing the same for your project and ensuring your success at every step, from design guidance to installation and decades beyond.

For more about how Siplast is meeting modern building enclosure demands, visit siplast.com.



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With you every step of the way

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