



PARAPRO® ROOF MEMBRANE RESIN

Commercial Product Data Sheet

Parapro® Roof Membrane Resin is a multi-component, fast curing, flexible PMMA resin for use in conjunction with Parapro Roof Membrane Systems. Parapro Roof Membrane Resin, when catalyzed, is combined with Pro Fleece to form a monolithic, reinforced roof membrane system. The Parapro Roof Membrane System is designed for roofing and waterproofing applications not subject to pedestrian or vehicular traffic.

Contact Siplast for specific information on approved product uses.

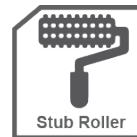
USES: LIQUID ROOFING

Colors	Light Gray (#7035) White (#9010)
Grade Options	Summer Grade Ambient Temperature: 59°F - 104°F (15°C - 40°C) Substrate Temperature: 59°F - 122°F (15°C - 50°C) Winter Grade Ambient Temperature: 23°F - 68°F (-5°C - 20°C) Substrate Temperature: 23°F - 77°F (-5°C - 25°C)
Typical Set/Cure Time at 68°F (20°C)	Resistant to Rainwater Wash Off: 30 minutes Ready for Next Coat: 30 minutes Walkability: 2 hours
VOC Content	< 25 g/L (catalyzed) EPA test method 24

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical or Installers Guide for detailed application information, including application/coverage rates. Product must be catalyzed before use using Pro Catalyst Liquid. See mixing charts that are supplied with Pro Catalyst products.



Storage and Handling

Store indoors in well-ventilated, cool, dry area away from heat, open fire, ignition sources, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Do not store below 32°F (0°C). Product may auto-polymerize at temperatures greater than 140°F (60°C). Store jobsite materials on pallets in shaded, well-ventilated area. Cover unshaded areas with reflective tarp that allows air circulation. Standard shelf life is 12 months; shelf life will be reduced when stored at temperatures above 77°F (25°C).

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Packaging: 20 kg (44 lb) resealable metal drums
Units Per Pallet: 36

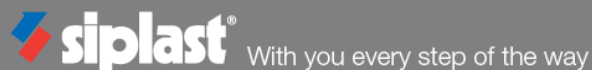
Listings, Approvals, & Certifications



Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies.
FM Approved - Refer to RoofNav.com for specific assemblies.

PARAPRO® ROOF MEMBRANE RESIN

Physical and Mechanical Properties

**APPLICATION & COVERAGE RATES**

Surface	Minimum Total Application Rate	Base Coat Min. Application Rate	Top Coat Min. Application Rate	Typical Coverage (Per 20-kg Pail)
Smooth Surface	31 kg/sq (3.3 kg/m ²)	19 kg/sq (2.0 kg/m ²)	12 kg/sq (1.3 kg/m ²)	64 square feet
Granule Surface	40 kg/sq (4.3 kg/m ²)	28 kg/sq (3.0 kg/m ²)	12 kg/sq (1.3 kg/m ²)	50 square feet

PHYSICAL & MECHANICAL PROPERTIES

Property (as Installed)	Values / Units	Test Method
Membrane Thickness	90 mils (3.5 mm)	ASTM D5147 Section 6
Peak Load @ 73°F, avg.	70 lbf/in (12.3 kN/m)	ASTM D5147 Section 7
Elongation @ Peak Load, avg.	35%	ASTM D5147 Section 7
Peak Load @ 73°F, avg.	90 lbf/in (15.8 kN/m)	ASTM D412 Section (dumbbell)
Elongation @ Peak Load, avg.	35%	ASTM D412 Section (dumbbell)
Shore A Hardness, avg.	81	ASTM D2240
Water Absorption, (Method I) (24h @ 73°F [23°C])	0.8%	ASTM D570
Water Absorption, (Method II) (48h @ 122°F [50°C])	1.2%	ASTM D570
Water Vapor Transmission	0.019 perms	ASTM E96
Low Temperature Flexibility	23°F (-5°C)	ASTM D5147 Section 12
Dimensional Stability (maximum movement)	0.15%	ASTM D5147 Section 11
Tear Strength	90 lbf (0.4 kN)	ASTM D5147 Section 8

Physical & Mechanical values are based on testing/evaluation of a 90-mil (2.3 mm) Parapro Roof Membrane reinforced with Pro Fleece.

PARAPRO WHITE COOL ROOF RATING

	Reflectance	Emittance	Solar Reflectance Index
Initial	0.85	0.89	107
3 Year	0.78	0.88	97
Test Method	ASTM C 1549	ASTM C 1371	n/a