PARAPRO FLASHING RESIN

Commercial Product Data Sheet

Product Description
Parapro Flashing Resin is a high performance, multi-component, flexible PMMA resin for use in the Parapro 123 Flashing System.

Product Uses
Parapro Flashing Resin, when catalyzed, is combined with polyester fleece to form a monolithic, reinforced flashing membrane used with a variety of Siplast roofing and waterproofing systems for flashing and repairs.

Color
Parapro Flashing Resin is supplied in a standard light gray color, #7035, and in White on a special made-to-order basis. Contact the Siplast Technical Department for information on other color finishes.

Packaging
Parapro Flashing Resin is supplied in 5-kg (11-lb) and 10-kg (22-lb) resealable drums with locking rings.

Coverage Rate
Minimum total consumption - flashings: 0.31 kg/sf (3.3 kg/m²)
Base coat: Minimum consumption of 0.19 kg/sf (2.0 kg/m²)
Top coat: Minimum consumption of 0.12 kg/sf (1.3 kg/m²)

See recommendations for specific applications. Yields will vary depending upon the system selected and the smoothness and absorbency of the substrate.

Application Conditions
Parapro Flashing Resin is available in summer and winter grades. Care should be taken to ensure that the correct formulation is used for the application based upon the ambient temperature.

Summer Grade
Summer Grade Parapro Flashing Resin can be applied when the ambient temperature is between 59ºF (15ºC) and 104ºF (40ºC) *and* the substrate temperature is between 59ºF (15ºC) and 122ºF (50ºC). Discontinue membrane application when the ambient temperature exceeds 104ºF (40ºC) and/or the substrate temperature exceeds the 122° F (50°C) maximum, or provide adequate shade to the substrate area for up to one hour prior to and during application as necessary to maintain surface temperatures below the maximum.

Winter Grade
Winter Grade Parapro Flashing Resin can be applied when the ambient temperature is between 23ºF (-5ºC) and 68ºF (20ºC) *and* the substrate temperature is between 23ºF (-5ºC) and 77ºF (25ºC).

Storage
Product shelf life is approximately 6 months from ship date. Shelf life will be reduced if product is stored at temperatures above 77°F (25°C). Store indoors in a closed container in a well-ventilated, cool, dry area away from heat, open fire, any ignition source, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Do not store in temperatures below 32°F (0°C). Product may auto-polymerize at temperatures greater than 140°F (60°C). Materials stored on the job site during application should be kept on a pallet in a shaded, well-ventilated area. In unshaded areas, materials should be covered with a white, reflective tarp in a manner that allows air circulation underneath the tarp.

Mixing & Catalyzing
If batch mixing, thoroughly mix the entire drum of resin for 2-3 minutes prior to pouring resin into a second container. Catalyze only the amount of resin that can be used within the anticipated pot life. Add pre-measured catalyst to the resin, stir for 2 minutes using a slow-speed mechanical agitator or mixing stick, and apply to the substrate. The amount of catalyst needed is based on the weight of the resin used, and varies with the ambient temperature as shown in the chart on the back of this sheet.

Pot Life
Parapro Flashing Resin pot life is approximately 15 minutes at 68ºF (20ºC). Because pot life is in large part dependent on ambient temperature, which constantly changes, actual pot life must be determined in the field. Pot life will be reduced at high temperatures.

Set Times
Minimum set times noted below are approximate, and may vary. The information provided is based on laboratory conditions, and is intended for use as a guideline only. Actual set times and cure times should be established in the field, based on actual field conditions.

Rain Proof at 68ºF (20ºC): Approximately 30 minutes
Ready for Next Coat at 68ºF (20ºC): Approximately 45 minutes
Ready for Foot Traffic at 68ºF (20ºC): Approximately 2 hours

Tool Cleaning
When work is interrupted or completed, reusable tools must be thoroughly cleaned with Pro Prep before any catalyzed resin on the tools hardens.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at www.Siplast.com.

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Handling

Do not smoke. Keep away from open fire, flame or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink, or smoke in the application area.

Consult the Material Safety Data Sheet for additional information pertaining to this product.

Personal Protection Equipment (PPE)

Workers must wear a long sleeved shirt with long pants and work boots. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. Safety glasses with side shields are required for eye protection.

Use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, becomes irritating, or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. Specific type of respirator will depend on the airborne concentration. A filtering face piece or dust mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Summer Grade Pro Catalyst Mixing Chart

The amount of Pro Catalyst used with Parapro Flashing Resin varies from a minimum of 2% to 4% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Parapro Flashing Resin Quantity	Summer Grade 2% Catalyst 68°F to 104°F (20°C to 40°C)				Summer Grade 4% Catalyst 59°F to 68°F (15°C to 20°C)			
	g	kg	Tblsp.	0.1-kg Bag	g	kg	Tblsp.	0.1-kg Bag
1.0 kg (0.72 liter)	20	.02	2	n/a	40	.04	4	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2
10.0 kg (7.2 liter)	200	0.2	20	2	400	0.4	40	4

Winter Grade Pro Catalyst Mixing Chart

The amount of Pro Catalyst used with Parapro Flashing Resin varies from a minimum of 2% to 4% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Parapro Flashing Resin Quantity	Winter Grade 2% Catalyst 59°F to 68°F (15°C to 20°C)				Winter Grade 4% Catalyst 23°F to 59°F (-5°C to 15°C)			
	g	kg	Tblsp.	0.1-kg Bag	g	kg	Tblsp.	0.1-kg Bag
1.0 kg (0.72 liter)	20	.02	2	n/a	40	.04	4	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2
10.0 kg (7.2 liter)	200	0.2	20	2	400	0.4	40	4