

# PRO COLOR FINISH RESIN



## Commercial Product Data Sheet

### Product Description

Pro Color Finish Resin is a pigmented, high performance, multi-component, fast curing PMMA resin for use in Parapro, Terapro, and Terapro VTS Systems.

### Product Uses

Pro Color Finish Resin is used as a finish layer Terapro and Terapro VTS Systems. Pro Color Finish is also used as an optional finish layer for Parapro Roof Membrane and Parapro 123 Flashing Systems.

### Colors

Pro Color Finish Resin is supplied in a variety of standard colors. Contact Siplast for availability of a specific color.

### Packaging

Pro Color Finish Resin is supplied in 10-kg (22-lb) resealable drums with locking rings.

### Application and Coverage Rates

#### Parapro 123 Flashing and Parapro Roof Membranes (no aggregate)

#### Parapro Roof Membrane (embedment of Pro Texture Beads)

#### Terapro System (embedment of Pro Texture Beads)

Minimum application rate: 0.046 kg/sf (0.5 kg/m<sup>2</sup>)

Typical coverage per 10-kg pail: 215 square feet

#### Terapro System (over Pro Natural Quartz)

Minimum application rate: 0.06 kg/sf (0.65 kg/m<sup>2</sup>)

Typical coverage per 10-kg pail: 166 square feet

#### Terapro System (over Pro Natural Quartz with Pro Accent Chips)

#### Terapro VTS System

Minimum application rate: 0.07 kg/sf (0.75 kg/m<sup>2</sup>)

Typical coverage per 10-kg pail: 144 square feet

See Siplast Installer's Guides for specific applications. Application and coverage rates will vary depending upon system selected.

### Application Conditions

Pro Color Finish Resin can be applied when the ambient and substrate temperature is between 32°F (0°C) and 95°F (35°C). Discontinue resin application when the ambient or substrate temperature is outside the ranges listed above. Provide adequate shade over the substrate area both prior to and during application as necessary to maintain substrate surface temperatures below 95° F (35° C).

### Storage

Product shelf life is 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 beneath 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 charts on the back of this sheet.

### Pot Life

Pro Color Finish Resin pot life is approximately 15 minutes at 68°F (20°C). Pot life will be reduced if the resin is at higher temperatures. Pot life can be maximized by storing product under controlled conditions and ensuring that the resin is at the low range of minimum storage temperature during/after the addition of catalyst and prior to application.

### Set (Cure) Times

Minimum set (cure) 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 (cure) times should be established in the field, based on actual field conditions.

Rain Proof at 68°F (20°C): Approximately 30 minutes

Ready for next coat at 68°F (20°C): Approximately 45 minutes

Stress Resistant at 68°F (20°C): Approximately 2 hours

### Tool Cleaning

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

### 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.

### 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 goggles 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 of the airborne concentration. Filtering face piece or dust mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Consult the Safety Data Sheet (SDS) for additional information pertaining to this product.

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### Mass and Volume Data for Pro Catalyst Liquid

| Pro Catalyst Liquid - net contents per unit |             |                  |         |
|---------------------------------------------|-------------|------------------|---------|
| 2.5 kilograms                               | 2.25 liters | 2250 milliliters | 10 cups |

| Product             | Density (kg per liter)  | Liquid Measure (liters per kg) | Liquid Measure (milliliters per kg) |
|---------------------|-------------------------|--------------------------------|-------------------------------------|
| Pro Catalyst Liquid | 1.1 kilograms per liter | 0.91 liters per kilogram       | 910 milliliters per kilogram        |

| Pro Catalyst <u>Liquid</u> Mixing Chart<br>Pro Color Finish                                   |                                                    |      |                                                   |      |                                                  |      |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------|------|---------------------------------------------------|------|--------------------------------------------------|------|
| Resin Quantity                                                                                | Ambient Temperature<br>59°F to 95°F (15°C to 35°C) |      | Ambient Temperature<br>41°F to 59°F (5°C to 15°C) |      | Ambient Temperature<br>32°F to 41°F (0°C to 5°C) |      |
|                                                                                               | Tablespoons                                        | Cups | Tablespoons                                       | Cups | Tablespoons                                      | Cups |
| 1 kg (1 liter)                                                                                | 2                                                  | n/a  | 4                                                 | n/a  | 6                                                | n/a  |
| 10 kg (10 liters)                                                                             | n/a                                                | 1    | n/a                                               | 2    | n/a                                              | 3    |
| Substrate temperature range for application of Pro Color Finish is 32°F to 95°F (0°C to 35°C) |                                                    |      |                                                   |      |                                                  |      |

### Mass and Volume Data for Pro Catalyst Powder

| Pro Catalyst <u>Powder</u> Conversion Chart |                |             |
|---------------------------------------------|----------------|-------------|
| Box                                         | Bags           | Tablespoons |
| 1 kg                                        | 0.1 kg         | 0.01 kg     |
| 10 (0.1 kg) bags                            | n/a            | 0.1 bags    |
| 100 Tablespoons                             | 10 Tablespoons | n/a         |

| Pro Catalyst <u>Powder</u> Mixing Chart<br>Pro Color Finish                                                                                                                                    |                                                                   |      |        |             |                                                                  |      |        |             |                                                                 |      |        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------|--------|-------------|------------------------------------------------------------------|------|--------|-------------|-----------------------------------------------------------------|------|--------|-------------|
| The amount of Pro Catalyst Powder used with Pro Color Finish varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following table. |                                                                   |      |        |             |                                                                  |      |        |             |                                                                 |      |        |             |
| Resin Quantity                                                                                                                                                                                 | Ambient Temperature<br>2% Catalyst<br>59°F to 95°F (15°C to 35°C) |      |        |             | Ambient Temperature<br>4% Catalyst<br>41°F to 59°F (5°C to 15°C) |      |        |             | Ambient Temperature<br>6% Catalyst<br>32°F to 41°F (0°C to 5°C) |      |        |             |
|                                                                                                                                                                                                | g                                                                 | kg   | Tblsp. | 0.1-kg Bags | g                                                                | kg   | Tblsp. | 0.1-kg Bags | g                                                               | kg   | Tblsp. | 0.1-kg Bags |
| 1 kg (1 liter)                                                                                                                                                                                 | 20                                                                | 0.02 | 2      | n/a         | 40                                                               | 0.04 | 4      | n/a         | 60                                                              | 0.06 | 6      | n/a         |
| 10 kg (10 liters)                                                                                                                                                                              | 200                                                               | 0.2  | n/a    | 2           | 400                                                              | 0.4  | n/a    | 4           | 600                                                             | 0.6  | n/a    | 6           |
| Substrate temperature range for application of Pro Color Finish is 32°F to 95°F (0°C to 35°C)                                                                                                  |                                                                   |      |        |             |                                                                  |      |        |             |                                                                 |      |        |             |

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