siplast®

Pro Catalyst Liquid

Installer's Guide Supplement

I. Product Overview

Pro Catalyst Liquid is a high viscosity liquid reactive agent used to induce curing of Parapro, Terapro, and Pro Resins. Siplast Pro Catalyst Liquid is an approved alternative to Pro Catalyst Powder for use with all Siplast Parapro, Terapro, and Pro Resins with the exception of Pro Mortar. Pro Mortar requires Pro Catalyst Powder.

Pro Catalyst Liquid is packaged in 2.5 kg (2.25 liter) containers and is dispensed using collapsible silicone measuring cups for full pail quantities and tablespoons for partial quantity batches. A silicone cup and tablespoon are included with each container. Mixing charts for each resin product are listed on the last page of this document.

II. Storage

Pro Catalyst Liquid should be stored in its original packaging at all times until just prior to use. Always store in a cool and dry location. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C).

Materials stored on the project 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 for air circulation beneath the tarp.

Pro Catalyst Liquid is stable if stored and used in accordance with Siplast guidelines. Pro Catalyst Liquid is heat sensitive and should be stored under controlled conditions to ensure that the reactivity/effectiveness is not compromised, as well as for safety reasons. Pro Catalyst Liquid should not be exposed to temperatures in excess of 122ºF (50ºC). Product exposed to temperatures in excess of 122ºF (50ºC) may experience hazardous self-accelerating decomposition. Self-accelerated decomposition is signaled by the presence of bright white smoke and the process can generate high temperatures, depending on the environmental conditions and quantity of product.

The shelf life of Pro Catalyst Liquid is 6 months from the ship date. The date of shipment is listed on each box. Shelf life is reduced if product is stored at temperatures exceeding 77ºF (25ºC). Pro Catalyst Liquid should not be used if the shelf life is expired. Contact Siplast for disposal requirements of expired material.

III. Handling

Do not smoke. Keep away from open fire, flame or any ignition source. Avoid skin and eye contact with this material. Do not eat, drink or smoke in the application area. Consult the Safety Data Sheet (SDS) for additional information pertaining to handling this product.

IV. Personal Protection Equipment (PPE)

Workers must use butyl rubber or nitrile gloves when handling this product. Safety goggles are required for eye protection. Consult the Safety Data Sheet (SDS) for additional information pertaining to personal protection equipment (PPE).

V. Measuring Resins and Pro Catalyst Liquid

The amount of Pro Catalyst Liquid to be used is based upon the weight of the uncatalyzed resin and varies with the grade of resin and ambient temperature. The amount of Pro Catalyst used should never be less than that shown in the catalyst charts. If resin mixed with the proper amount of Pro Catalyst Liquid does not offer sufficient pot life, the temperature of the resin component may be too high.

VI. Mixing Resins and Pro Catalyst Liquid

Thoroughly mix the entire pail of uncatalyzed resin. Ensure that the lid on the Pro Catalyst Liquid container is tight and shake the container to fully distribute solids that may have settled. Add premeasured Pro Catalyst Liquid via cup or tablespoon to the premeasured resin component and stir for a full two minutes using a slow-speed spiral mixer (or a mixing stick for small batch quantities). Ensure that the collapsible cup is opened properly to provide accurate measurement. See the applicable Installer's Guide for substrate qualification/preparation requirements and resin application rates/techniques.

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 Liquid Mixing Charts

Pro Catalyst Liquid Mixing Chart Pro Primer R, Pro Primer W, Pro Primer T, and Pro Color Finish						
Resin Quantity	2% Pro Catalyst Liquid Ambient Temperature 77ºF to 95ºF (25ºC to 35ºC)		4% Pro Catalyst Liquid Ambient Temperature 41ºF to 77ºF (5ºC to 25ºC)		6% Pro Catalyst Liquid Ambient Temperature 32ºF to 41ºF (0ºC to 5ºC)	
	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

Pro Catalyst Liquid Mixing Chart Winter Grade Parapro Roof Resin, Parapro Flashing Resin, Terapro Base Resin and Terapro Flashing Resin						
Resin Quantity	2% Pro Catalyst Liquid Ambient Temperature 59ºF to 68ºF (15ºC to 20ºC)		4% Pro Catalyst Liquid Ambient Temperature 41ºF to 59ºF (5ºC to 15ºC)		6% Pro Catalyst Liquid Ambient Temperature 23ºF to 41ºF (-5ºC to 5ºC)	
	tablespoons	cups	tablespoons	cups	tablespoons	cups
1 kg (0.72 liter)	2	n/a	4	n/a	6	n/a
10 kg (7.2 liters)	n/a	1	n/a	2	n/a	3
20 kg (14.3 liters)	n/a	2	n/a	4	n/a	6

Pro Catalyst Liquid Mixing Chart Summer Grade Parapro Roof Resin, Parapro Flashing Resin, Terapro Base Resin and Terapro Flashing Resin				
Resin Quantity	2% Pro Catalyst Liquid Ambient Temperature 68ºF to 104ºF (20ºC to 40ºC)		4% Pro Catalyst Liquid Ambient Temperature 59ºF to 68ºF (15ºC to 20ºC)	
	tablespoons	cups	tablespoons	cups
1 kg (0.72 liter)	2	n/a	4	n/a
10 kg (7.2 liters)	n/a	1	n/a	2
20 kg (14.3 liters)	n/a	2	n/a	4

Pro Catalyst Liquid Mixing Chart Terapro VTS Resin/Filler (full batch with 10 kg of VTS Resin and bag of VTS Filler)		
2% Pro Catalyst Liquid Ambient Temperature 77ºF to 95ºF (25ºC to 35ºC)	4% Pro Catalyst Liquid Ambient Temperature 41ºF to 77ºF (5ºC to 25ºC)	6% Pro Catalyst Liquid Ambient Temperature 32ºF to 41ºF (0ºC to 5ºC)
1 cup	2 cups	3 cups

Pro Catalyst Liquid Mixing Chart Paracoat & Paracoat HS			
Resin Quantity	2% Pro Catalyst Liquid Substrate Temperature 59ºF to 104ºF (15ºC to 40ºC)	4% Pro Catalyst Liquid Substrate Temperature 41ºF to 59ºF (5ºC to 15ºC)	6% Pro Catalyst Liquid Ambient Temperature 32ºF to 41ºF (0ºC to 5ºC)
	cups	cups	cups
10 kg (7.2 liter)	1	2	3
20 kg (14.3 liters)	2	4	6

Pro Catalyst Liquid Mixing Chart Pro Paste Resin						
Resin Quantity	2% Pro Catalyst Liquid Ambient Temperature 77ºF to 95ºF (25ºC to 35ºC)		4% Pro Catalyst Liquid Ambient Temperature 41ºF to 77ºF (5ºC to 25ºC)		6% Pro Catalyst Liquid Ambient Temperature 32ºF to 41ºF (0ºC to 5ºC)	
	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

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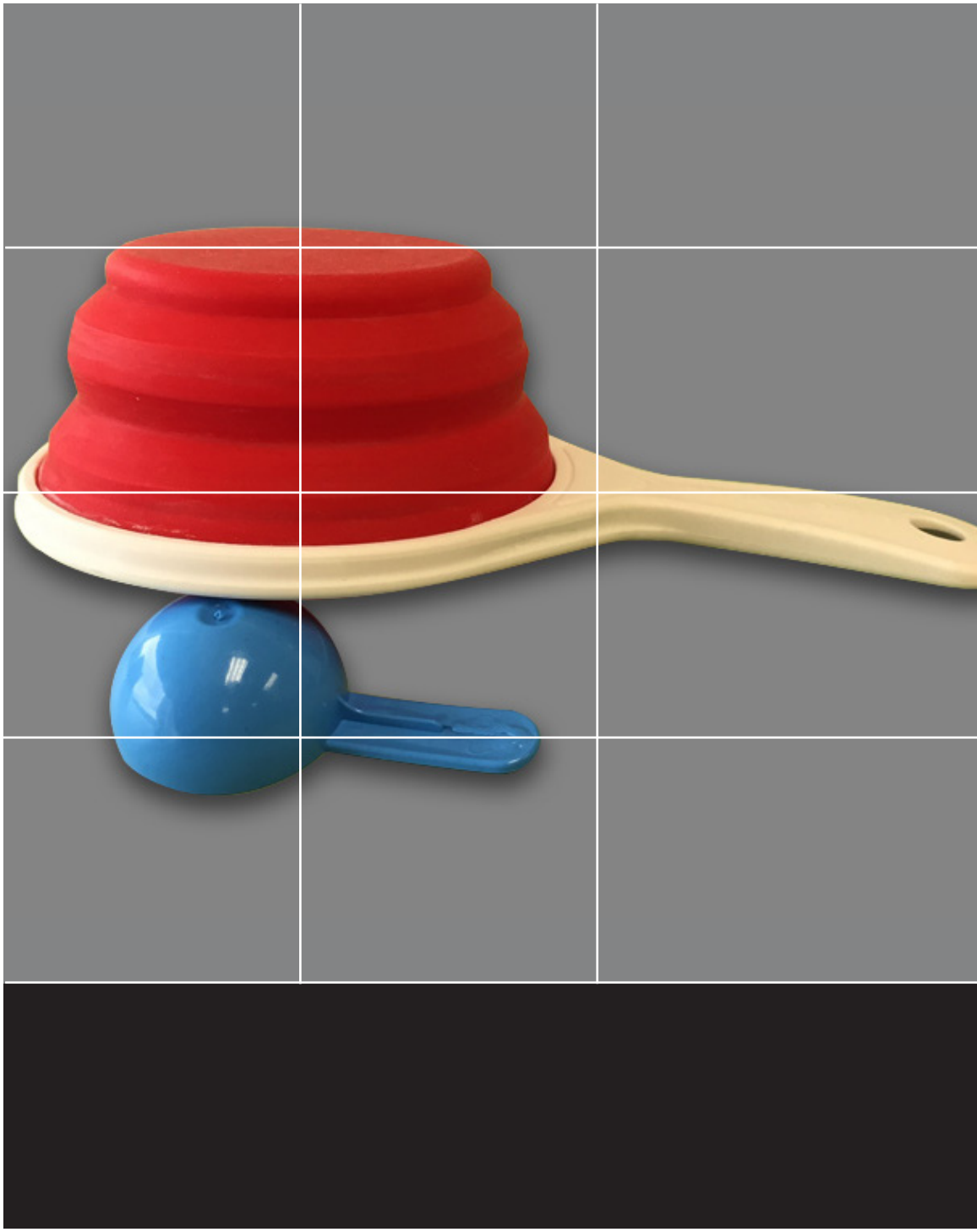

For information on Siplast Roofing and Waterproofing Systems, scan our QR Code.

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