



TERAPRO 220 RESIN/AGGREGATE

Commercial Product Data Sheet

Terapro 220 Resin Aggregate is a liquid-applied, pigmented PMMA/aggregate blend, that when catalyzed, is used as pedestrian traffic surface protection providing anti-skid properties.

Contact Siplast for specific information on approved product uses.

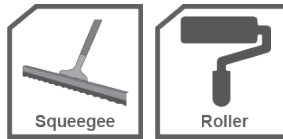
USES:
TERAPRO SYSTEM COMPONENT

PRODUCT INFORMATION

	Values / Units	Test Method
Shore Hardness	65 – 70 A	ASTM D2240
Elongation at Break	> 300%	ASTM D638
Tensile	> 2.0 MPa	ASTM D638
Water Absorption	< 0.25%	ASTM D570 Method I (24h @ 73°F [23°C])
Solids Content	> 99%	ASTM D1644
Aggregate Hardness	7.0	Mohs Scale
Surface Friction - Wet	56	ASTM E303
Surface Friction - Dry	93	ASTM E303
Density	0.06 lb/in ³ (1.7 g/cm ³)	
VOC	< 50 g/L (catalyzed)	
Ambient & Substrate Temperature	32°F - 95°F (0°C - 35°C) with relative humidity up to 95%. See Installers Guide for detailed temperature ranges.	
Rain Proof	At 68°F (20°C): Approximately 30 minutes	
Stress Resistant	At 68°F (20°C): Approximately 2 hours	

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 or Powder. 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; product life is reduced when stored at temperatures above 77°F (25°C).

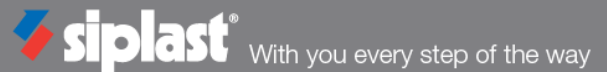
See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

25 kg resealable metal drum
Weight Per Pail: 55.11 lb (25 kg)
Pails Per Pallet: 36

TERAPRO 220 RESIN/AGGREGATE

Physical and Mechanical Properties



THICKNESS & COVERAGE PER PAIL

Approx. Thickness*	Approx. Coverage per 25-kg Pail**
45 mils (1.14 mm)***	136 ft ² (12.64 m ²)
50 mils (1.27 mm)	122 ft ² (11.38 m ²)
55 mils (1.40 mm)	111 ft ² (10.34 m ²)
60 mils (1.52 mm)	102 ft ² (9.48 m ²)

*Approximate mil thickness over a smooth substrate. Average mil thickness at a specific application/coverage rate will vary depending upon substrate profile. Multiple mil thickness values are listed due to specification requirements that may vary by customer.

**Coverage rates to generate a desired mil thickness will vary depending upon substrate profile. Aggressive surface profiles will require an increased application rate to generate a desired mil thickness. Coverage rate values per pail do not account for waste or coverage.

***Indicates the minimum recommended thickness.

PRO CATALYST POWDER MIXING CHARTS

Resin Quantity	Ambient Temperature Catalyst Quantity 32°F to 59°F (0°C to 15°C)		Ambient Temperature Catalyst Quantity 59°F to 95°F (15°C to 35°C)	
	Tbsp.	0.1-kg Bags	Tbsp.	0.1-kg Bags
1 kg (1 L)	2	n/a	1	n/a
10 kg (10 L)	n/a	2	n/a	1
20 kg (20 L)	n/a	4	n/a	2

Substrate temperature range for application of Terapro 220 Resin/Aggregate is 32°F to 95°F (0°C to 35°C)