

STREETBOND® PRO 220

Commercial Product Data Sheet

StreetBond Pro 220 Pavement Coating is a liquid-applied PMMA resin-based system designed for use in pedestrian applications such as raised medians, plazas, pathways, and low volume vehicular traffic applications. StreetBond Pro 220 Pavement Coating offers exceptional durability, a fast return to service, and allows for cold climate application. See the StreetBond Pro Color Chart for available colors.

Contact Siplast for information on approved product uses.

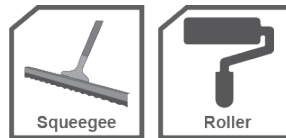
USES: PMMA PAVEMENT COATING

	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 (0°C) - 95°F (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	

PRODUCT INFORMATION

Application

Application and coverage rates may vary depending upon the profile and absorbency of substrate. Refer to Siplast Installers Guide for specific applications.



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).

Packaging

Weight Per Pail: 62.5 lbs (28.35 kg)
 Net Content: 25 kg
 Number of Pails Per Pallet: 36

**Thickness & Coverage per Pail
StreetBond Pro 220**

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 Chart
StreetBond Pro 220**

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)	
	Tablespoons	0.1-kg bags	Tablespoons	0.1-kg bags
1 kg	2	n/a	1	n/a
12.5 kg	n/a	2	n/a	1
25 kg	n/a	4	n/a	2

Substrate temperature range for application of StreetBond Pro Resin is 32°F to 95°F (0°C to 35°C)