

StreetBond® Pro 220

Technical Data Sheet



Description:

StreetBond® Pro 220 Pavement Coating is a liquid-applied MMA 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 StreetBond® for information on approved product uses.

Uses and Advantages:

StreetBond® Pro 220 Pavement Coating is a liquid-applied MMA resin-based system designed to give a highly textured colored pavement surface that provides a safe, durable, and fast return to service solution. StreetBond® Pro 220 is preloaded with aggregate and has premeasured catalyst providing an easier and more controlled mixing experience. Liquid Catalyst is also available for specialty spray applications.

Uses:

- Bus and cycle lanes, crosswalks, pathways, level and raised medians, entryways, and plazas
- Wayfinding and safety area markings
- Can be used on concrete with proper surface preparation

Packaging:

One unit of StreetBond® Pro 220 consists of:

- Weight Per Pail: 62.5 lb. (28.35 kg)
- Net Content: 25 kg
- (1) — pallet contains 36 pails
- (1) — Pro Catalyst (sold separately)

Shelf life:

Shelf life is 12 months if unopened containers are stored between 32°F and 77°F (0°C and 25°C). Product may auto-polymerize at temperatures greater than 140°F (60°C).

Store indoors or in a shaded well-ventilated, cool, dry area away from heat, open fire, ignition sources, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Cover unshaded areas with reflective tarp that allows air circulation.

Warranty:

StreetBond® products are covered under the StreetBond® 1-Year Limited Warranty. See streetbond.com for complete coverage and restrictions. Additional coverage may be available for purchase for eligible projects. Please contact your GAF – StreetBond® representative for details.

Application Instructions:

Surface Preparation:

Dirt, debris, water, and contaminants sitting on the surface will affect adhesion. Thoroughly clean surface using a broom and backpack blower or in severe situations, use a power washer. Areas containing chemical contaminants such as vehicle fluids need to be treated using a degreasing solution. Proper removal of contaminants and degreasing solution is necessary prior to coating application. Care should be taken to ensure that the substrate is dry before applying the coating. Concrete must be fully cured and allowed 28 days before coating application, and no sealers or curing agents should be present on the surface. Installation on new asphalt is allowed as soon as the asphalt has cooled, and all excess oil is removed.

Consult the StreetBond® Substrate Guide for more detail if you are unsure of the quality of the surface. An environmentally friendly cleaner should be used. No precipitation should be expected within 24 hours of product application.

Mixing:

Each mixed unit of StreetBond® coating consists of a pail of resin and a corresponding amount of catalyst (see chart below for catalyst quantity). Do not mix the material until you are ready to install. Pre-mix the pail of resin with a high powered drill for 30 seconds and then add the correct amount of catalyst and continue to thoroughly mix for 3 minutes.

Pro Catalyst Powder/ Liquid BPO Mixing Chart StreetBond® Pro 220

Resin Quantity	Ambient Temperature Catalyst Quantity		
	32°F – 50°F (0°C – 10°C)	51°F – 68°F (11°C – 20°C)	69°F – 95°F (21°C – 35°C)
	0.1 kg bags	0.1 kg bags	0.1 kg bags
12.5 kg	2	2	1
25 kg	4	3	2
Liquid BPO	3%	3%	3%

Application:

Utilize a combination of tape, paper, and/or another system to create a boundary for the area of application. Application is typically performed with a squeegee and a roller. The mixed StreetBond® Pro is poured onto the substrate, a squeegee is then used to spread the material out over a specified area to control thickness (refer to coverage chart below) and then a roller is used to back roll the material to give it an even thickness and texture. Remove any tape or paper before the StreetBond® Pro is fully cured. StreetBond® Pro 220 can also be spray applied utilizing specialized equipment.

Refer to the StreetBond® Pro Install Guide and application videos for more detailed instruction.

Product Characteristics

Type	Result	Test Method
Shore Hardness	75-85 A	ASTM D2240
Elongation at Break	> 300%	ASTM D638
Tensile	> 2.0 MPa	ASTM D638
Water Absorption	< 0.25%	ASTM D570 Method I
Solids Content	> 99%	ASTM D1644
Aggregate Hardness	7.0	Mohs Scale
Surface Friction (Dry)	> 70	ASTM E303
Density	0.061 lb/in³	
VOC	< 40 g/L (catalyzed)	
Application 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	

Note: Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide.

Thickness & Coverage per Pail StreetBond® Pro 220

Approx. Thickness*	Approx. Coverage per 25 kg Pail†
40 mils (1.02 mm)‡	145 ft² (13.47 m²)
45 mils (1.14 mm)‡	136 ft² (12.64 m²)
50 mils (1.27 mm)	122 ft² (11.38 m²)
55 mils (1.40 mm)	111 ft² (10.34 m²)
60 mils (1.52 mm)	102 ft² (9.48 m²)

* 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 spreadable thickness.