

StreetBond[®] DuraShield Technical Data Sheet

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North America's Largest Roofing Manufacturer!™*

gaf.com



DuraShield Pavement Coating

Technical Data Sheet



BASIC USES & ADVANTAGES

StreetBond® DuraShield Pavement Coating is used for the preservation and beautification of asphalt parking lots and asphalt walkways. The wear properties of **DuraShield Pavement Coating** are far superior to traditional asphalt emulsion sealcoat products. The greatest improvement in wear occurs during wet exposures, where most coating loss typically occurs. **DuraShield Pavement Coating** also covers minor surface cracks and imperfections.

Advantages:

- **Superior Durability...** Engineered to last longer than typical asphalt coatings.
- **Simple and Easy Application...** Spray (texture sprayer), brush, or roll the product onto the substrate.
- **Better for the Environment...** Water-based formula with low odor that won't track onto adjacent surfaces like coal-tar or asphalt emulsion-based products.
- **Exceptional Flexibility...** Conforms to expansion and contraction of asphalt surfaces, preventing cracking and other accelerated asphalt damage.

PRODUCT DESCRIPTION

StreetBond® DuraShield Pavement Coating is a specialty coating, formulated using high-quality 100% acrylic polymer technology. It's designed to enhance the appearance of asphalt surfaces and to protect the asphalt from degradation due to oxidation from exposure to UV rays and water.

PACKAGING & SHELF LIFE

3.75 gallons (14.2 liters) in a 5-gallon (18.9 liter) pail
45 gallons (170 liters) in a 55-gallon (208 liter) drum*
*One drum contains **12 units** (5-gallon [18.9 liter] pails) of material.

Shelf Life: 18 months from date of manufacture in unopened containers if stored properly in a clean and well-ventilated area at 40°F – 90°F (4°C – 32.2°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. Do not allow material to freeze.

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GAF Liquid-Applied

September 2018, supersedes December 2016

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

PHYSICAL PROPERTIES

DURASHIELD PAVEMENT COATING	
Density	15.5 lb/gal, 1.85 g/mL [ASTM D1475]
Volume Solids	60% (±2) [ASTM D2697]
Weight Solids	77% (±2) [ASTM D2369]
VOC (calculated)	<25 g/L
Taber Abrasion (Dry - H-10 wheel)	0.78 g/1,000 cycles [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	6.96 g/1,000 cycles [ASTM D4060]
Freeze Point	32°F (0°C)
Friction (Dry)	>80 [ASTM E303-93] (2013)
Friction (Wet)	>45 [ASTM E303-93] (2013)

Drying Time (Touch Dry)	1-4 hours at 77°F (25°C) and 40% humidity [ASTM D5895] *Required time will increase at higher humidity and/or lower temperatures.
Application Temperature (Air & Concrete)	+50°F – 105°F (Ambient) (10°C – 40°C)
Application Temperature (Pavement Surfaces)	+50°F – 140°F (Ambient) (10°C – 60°C)
Elongation	@ 70°F (21.1°C) >200 % (resin only)
Standard Colors	Asphalt, Solar Gray

APPLICATION INSTRUCTIONS

Substrate Preparation: At a minimum, clean and prepare surfaces to receive coating by removing all loose and flaking particles, grease, and laitance with the use of a stiff-bristle push broom and/or by pressure washing. Care should be taken to ensure that the substrate is dry before applying the coating. In some cases, additional drying time may be required after the cleaning process. If desired, **StreetBond® Adhesion Promoter Concentrate** should be used as part of the application process unless the asphalt is renewed and there is no polished aggregate.

Primer: None needed if asphalt is in good condition without polished aggregates. **StreetBond® Adhesion Promoter Concentrate** should be used if the asphalt has polished aggregates present (occurs as asphalt ages and wears).

Application: StreetBond® DuraShield Pavement Coating should be applied in two coats at a minimum total rate of 1 gallon/100 ft² (4.1 L/10 m²) per coat. Spray using a texture sprayer and then back-roll using a roller. Apply in a smooth, generous coat to ensure **DuraShield Pavement Coating** fills minor surface cracks and imperfections.

Full cure-through occurs 6 – 24 hours after application and depends on temperature and humidity conditions. Coating must be completely cured before opening up to traffic.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

Applicable Standards: ASTM D1475, ASTM 2697, ASTM D2369, ASTM D4060, ASTM D5895, ASTM E303

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LIMITATIONS & PRECAUTIONS

Typical "sealcoat" sprayers will not spray **StreetBond® DuraShield Pavement Coating** due to the special fibers used to minimize mud cracking. They will not allow **DuraShield Pavement Coating** to pass through the filter or spray nozzle. A texture sprayer must be used.

DuraShield Pavement Coating cannot be applied to freshly coated areas of "sealcoat" products.

No precipitation should be expected within 24 hours. Nighttime installations are not recommended but if application must be done overnight, project areas require at least 6 hours of sunlight before opening the area to traffic.

Too high of a film build will cause cracking and/or not full cure-through. Do not open area up to traffic before **DuraShield Pavement Coating** fully cures.

SAFETY & HANDLING

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

CLEANUP

Thoroughly rinse application equipment with clean water before it dries.