



# Black Diamond Sandmix RTU Pavement Sealer

## DESCRIPTION:

GemSeal® Black Diamond Sandmix RTU is a ready-to-use (RTU) premium petroleum-based emulsion pavement sealer, designed for application to pavement surfaces. GemSeal® Black Diamond Sandmix RTU weatherproofs asphalt surfaces, seals against penetration by water, oil, and blocks the destructive drying action of the sun by forming a tough protective membrane with a deep black color, extending the service life, and enhancing the appearance to provide a cost effective preventive maintenance coating of asphalt surfaces. GemSeal® Black Diamond Sandmix RTU is a factory blend of Black Diamond concentrated sealer, water, latex polymer, and specifically graded aggregate that provides a highly durable slip-resistant coating.

## FEATURES:

### Durable Coating

- Over 50% solids with included aggregate.
- Greater longevity verse standard asphalt-emulsion sealers.
- Passes ASTM D2939-25 and FAA P-631 testing for fuel resistance.
- Includes polymer additive to enhance adhesion, flexibility, and durability.
- Has good skid resistance per ASTM E303.
- Provides a "like-new" surface which reduces cleaning and maintenance costs.

### Improves Asphalt Longevity

- Weatherproofs and seals porous asphalt surfaces, preventing damaging effects of water penetration and vehicle fluids.
- Protects pavements from oxidation by forming a tough protective skin.
- Maintains a deep black color.

### Unique Formulation

- Alternative to both refined tar and asphalt based sealers.
- Manufactured in a regulated continuous process with a colloid mill for consistent emulsion particle size and distribution.
- Nearly zero VOC.
- Low PAH.

## SPECIFICATIONS:

STANDARD	PROPERTY	RESULTS
ASTM D2939-8	Residue by evaporation, %	49 – 51%
ASTM D2846	Scrub resistance of paint coatings	Pass
ASTM D2939-5	No separation or settlement that cannot be overcome by moderate stirring	Pass
ASTM D2939-22	Wet film continuity - uniform homogeneous	Pass
ASTM D2939-23	Resistance to volatilization	Pass
ASTM D2939-13	Drying time, firm set, 8hr max	Pass
ASTM D2939-14	Resistant to heat - No blistering, sagging, or slipping	Pass
ASTM D2939-25	Resistance to kerosene - No penetration or softening	Pass
ASTM D2939-15	Resistance to water - No blistering or re-emulsify	Pass
ASTM D2939-16	Flexibility - No flaking, cracking, or loss of adhesion	Pass
ASTM D4072	Solubility in toluene	Pass
FAA P-625	Emulsion seal coat	Pass
FAA P-627	Rubberized emulsion seal coat	Pass
FAA P-631	Fuel resistance - Emulsion with additives	Pass
EPA 8021	VOC content	<2 g/l
ASTM E303	British pendulum test – Friction test	Min 70 BPN
ASTM D2939-7	Density @ 25C, g/ml	Min 1.2

## MIX DESIGNS:

GemSeal® Black Diamond Sandmix RTU is a ready-to-use product. Mix thoroughly before application.

## APPLICATION RATE:

0.10-0.15 Gal/Sq.Yd. (per coat)

Pavement Use	Application Rate gal/ sq.yd.	Coats
Low Traffic	0.10 - 0.15	2
Moderate Traffic	0.12 - 0.15	2
High Traffic	0.12 - 0.15	3



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### **SURFACE PREPARATION:**

Pavement surface must be sound, free of debris, vegetation, dust, oils, grease and detergent residues. Accumulations of petroleum deposits, tree sap and dirt should be scraped clean and treated with GemSeal® Multi-Prime. Narrow surface cracks should be filled with GemSeal® Pourable Crack Filler, GemSeal® Trowelable Crack Filler, or a suitable hot-applied joint sealant. Wide cracks, severely distressed, alligatored or deteriorated pavement surfaces should be repaired. New asphalt paving or repair patches should be allowed to cure a minimum of 60 days at temperatures of 60°F or above before seal coating begins. New Asphalt paving or repair patches should not show oil rings when 1 gallon of clean water is poured onto the surface.

### **APPLICATION:**

GemSeal® Black Diamond Sandmix RTU can be applied using spray or mechanical squeegee equipment capable of controlled, uniform distribution of material conforming to mix designs and application rates specified. Material can also be applied with brush or rubber squeegee applicator designed for these products. GemSeal® Black Diamond Sandmix RTU should be applied only when pavement and ambient temperatures are continuously above 50°F for at least 24 hours following application and no rain is forecast for that period. Allow adequate drying time between successive coats.

### **MANUFACTURING & CUSTOMER SERVICE:**

**Call (866) 264-8273 to find the nearest GemSeal location to purchase Black Diamond Sandmix RTU Pavement Sealer.**

GemSeal Pavement Products  
Corporate Headquarters:  
3700 Arco Corporate Drive, Suite 425  
Charlotte, NC 28273

Cooler temperatures (below 70°F) and/or damp or overcast conditions will lengthen curing times.

Notes: Sealcoating is not recommended for enclosed or permanently shaded parking areas such as underground parking garages.

### **PACKAGING:**

Available in 55-gallon drums and tank truck up to 4,500 gallons.

### **SERVICE:**

Timely service is available within 300 mile radius of our manufacturing facilities.

### **ATTENTION:**

GemSeal® Black Diamond Sandmix RTU should be protected from freezing.

### **CAUTION:**

Both surface and ambient temperature shall be a minimum of 50°F and rising during application. Do not apply if temperature is expected to drop below 50°F, or if rain is expected in the forecast within a 24-hour period.

GemSeal Pavement Products warrants that for a period of one (1) year from date of purchase this product shall be free from manufacturing defects and shall meet or exceed performance standards listed in the technical data sheet for the product at the time of sale, if used as directed and within the stated shelf life. This Limited Warranty applies only if the product is stored, used, and applied over a properly prepared substrate in strict accordance with applicable specifications and instructions issued by GemSeal Pavement Products. The Limited Warranty will not apply if the product is altered, modified, or misused after it has left the control of GemSeal Pavement Products. GemSeal Pavement Products will not be responsible for defects caused by factors beyond its control, including but not limited to workmanship, application equipment, weather, acts of God, structural failure, condition or movement of substrate, improper additives, poor drainage, ponded water, improper maintenance, damage from snow removal equipment, and normal wear and tear. GemSeal Pavement Products does not warrant that the product or any method of use or application would be suitable for any particular site conditions.

All warranty claims must be submitted in writing, with proof of purchase, to the following address: 3700 Arco Corporate Drive, Suite 425, Charlotte, NC 28273. Unused portions of product must be returned upon request. Replacement of defective product or, at GemSeal Pavement Products' option, refund of the purchase price of defective product shall be the buyer's sole remedy under this Limited Warranty. In no event shall GemSeal Pavement Products be liable for any damages in excess of the purchase price of the defective product. This Limited Warranty does not cover labor costs for product application, replacement, or repair. GEMSEAL PAVEMENT PRODUCTS SHALL IN NO EVENT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST SALES OR PROFITS, BUSINESS INTERRUPTION, DELAYS, PHYSICAL DAMAGE TO OTHER MATERIALS OR PROPERTY, OR LOSS OF USE OF PROPERTY.

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