



Black Diamond XL Heavy Duty Pavement Sealer

DESCRIPTION:

GemSeal® Black Diamond XL is a premium heavy-duty, superior performance, polymer-modified petroleum-based emulsion pavement sealer, containing a high molecular weight polymer that has been cross-linked with the base to enhance durability, adhesion, elastic, and wear resistance. GemSeal® Black Diamond XL 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. GemSeal® Black Diamond XL helps extend the service life and enhances the appearance to provide a cost effective preventive maintenance coating of asphalt surfaces.

Features:

- The base binder has been cross-linked with a high molecular weight polymer compound prior to emulsification, resulting in superior performance not achievable by other processes.
- Protects all asphalt surfaces including commercial and residential parking areas and driveways.
- Resists gasoline and oil penetration.
- Alternative to both coal tar and asphalt base sealers.
- Weatherproofs and seals porous asphalt surfaces, preventing damaging effects of water penetration.
- Protects pavements from oxidation by forming a tough protective skin with a deep black color.
- Exhibits outstanding wear resistance, adhesion, and flexibility for long-term durability.
- Manufactured in a regulated continuous colloid mill process for consistent emulsion particle size and distribution.

MIX DESIGN (cont.):

GemSeal® Black Diamond XL	Water ²	Graded Aggregate ¹
(GAL)	(GAL)	(LB)
100	0 – 10	200 - 400

1. Mineral Aggregate – Clean, washed, well graded silica or boiler slag mineral aggregate of 40 – 70 mesh is recommended to provide added traction to the cured coating, in addition to filling hairline voids in the asphalt.
2. Additional water need only be added when using aggregate in the final coat mix design.
3. GemSeal® Black Diamond XL is produced from a cross-linked polymer modified petroleum base, and requires **NO** additional additives except graded aggregate or water. Use of any other additives is strongly discouraged as it may cause compatibility issues and damage performance, and will void Limited 1-Year Product Warranty.

PHYSICAL PROPERTIES:

Property	Max.	Min.
Water (%)	62	---
Non-Volatile Solids (%)	---	38
Ash (%)	39	37
Sp. Gr. @ 77°F	1.20	1.08
Polymer to base Ratio (Vol. %)	---	5

MIX DESIGN:

GemSeal® Black Diamond XL is a ready-to-use design to be blended with mineral aggregate and potable water (if needed) in proportions per the mix designs described in the table:

APPLICATION RATE:

0.11 – 0.15 gal / yd² [60 – 82 ft²/gal] (per coat)

Pavement Use	gal/yd ²	ft ² /gal	Coats
Low Traffic	0.11 – 0.15	60 – 82	2
Moderate Traffic	0.12 – 0.15	60 – 75	2
High Traffic	0.12 – 0.15	60 – 75	3

Fueling or truck maintenance areas may require an additional light coat.



Black Diamond XL Concentrate

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® Oil Spot Primer. 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 90 days at temperatures of 60°F or above before seal coating begins.

APPLICATION:

GemSeal® Black Diamond XL 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 XL 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. Cooler temperatures (below 70°F) and/or damp or overcast conditions will lengthen curing times.

Note: 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.

ATTENTION:

GemSeal® Black Diamond XL 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.

MANUFACTURING & CUSTOMER SERVICE:

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

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

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. THIS LIMITED WARRANTY IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GEMSEAL PAVEMENT PRODUCTS EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No modification or extension of this Limited Warranty shall be valid unless given in writing and signed by an authorized officer of GemSeal Pavement Products. Sales personnel and product distributors are not authorized to modify or extend this Limited Warranty.