



Technical Data

Black Diamond Ultra Pavement Sealer

REV 7/24

DESCRIPTION:

GemSeal Black Diamond Ultra Pavement Sealer is an environmentally friendly mineral filled, fuel resistant water-based emulsion pavement sealer blended with polymers and special surfactants for superior adhesion, flexibility and durability. Black Diamond Ultra is designed to beautify and protect asphalt pavement. Black Diamond Ultra is a ready to apply material that is factory blended with aggregate (sand) for slip resistance and added durability.

USES:

Black Diamond Ultra is ideal for protecting and beautifying all types of pavement surfaces including parking lots, shopping malls airports, driveways, roadways and more.

COMPOSITION:

Black Diamond Ultra Pavement sealer is a Ready-to-Apply, fuel resistant water based, clay-stabilized emulsion pavement sealer fortified with special polymers and surfactants to promote superior adhesion and durability. Select aggregate (sand) is factory-blended to provide slip resistance and durability. Black Diamond Ultra does not contain coal tar.

PERFORMANCE CHARACTERISTICS:

Black Diamond Ultra is a premium quality pavement sealer that meets the following material requirements when tested in accordance with ASTM D 140, ASTM B117, ASTM D 529, ASTM D 2939, and ASTM D244 procedures.

TYPICAL PROPERTIES:

Test	Specifications	Result
Material	Material shall be homogeneous and show no separation or coagulation that cannot be overcome by moderate stirring	Passes
Chemical & Physical Analysis		
Non Volatiles %	45-65%	Passes
Ash Non Volatiles %	50-68%	Passes
Solubility of Non Volatiles in CS2 %	20 min.	Passes
Specific Gravity 25°C	1.20 min.	Passes
Drying Time	8 hr. max.	Passes

Adhesion & Resistance to Water	No Penetration or Loss of Adhesion	Passes
Resistance to Heat	No Blistering or Sagging	Passes
Resistance to Impact	No Chipping, Flaking or Cracking	Passes
Resistance to Volatilization	10% loss in weight max.	Passes
Resistance to Kerosene	No loss of adhesion or penetration	Passes

ESTIMATING MATERIAL REQUIREMENTS:

One gallon of Black Diamond Ultra will cover approximately 70-82 square feet per gallon per coat (7.75 – 9.1 square yards per gallon per coat).

APPLICATION RATE:

Apply Black Diamond Ultra at a rate of 70-82 square feet per gallon per coat (7.75 – 9.1 square yards per gallon per coat). Application rates may vary due to pavement porosity and method of application.

SURFACE PREPARATIONS:

Surface must be clean and free from loose material and dirt. Cracks should be filled with GemSeal Cold or Hot-Applied Crack Filling Materials. Oil stains should be cleaned and primed with GemSeal Oil Spot Primer.

APPLICATION EQUIPMENT:

Black Diamond Ultra shall be applied by mechanical squeegee/ brush equipment or spray equipment capable of spraying coatings with sand. Equipment shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of mixed material throughout the application process. Truck mount or self-propelled squeegee/brush equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of Black Diamond Ultra into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

MIXING PROCEDURES:

Mix Black Diamond Ultra thoroughly before applying. If needed, a small amount of water may be added to facilitate application.

APPLICATION PROCEDURES:

For optimum performance and durability apply a



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minimum of two coats of Black Diamond Ultra. A third coat may be applied to high traffic areas such as parking lot entrances, exits and drive lanes for added durability. Allow each coat to dry thoroughly before applying successive coats. Allow final coat to dry for 24 hours prior to opening to vehicle traffic.

APPLICATION WEATHER CONDITIONS:

Black Diamond Ultra shall not be applied when temperature is expected to drop below 50° F during application and for a period of at least 24 hours after application. Do not apply if rain is imminent or forecast within 12 hours.

LINE STRIPING AND TRAFFIC MARKINGS:

Use GemSeal Traffic Paints for line striping and traffic markings.

PACKAGING AND AVAILABILITY:

Black Diamond Ultra is available for plant pick up or bulk tanker load quantities. Black Diamond Ultra is supported by a national network of GemSeal manufacturing and distribution facilities along with a national network of qualified applicators.

MANUFACTURING & CUSTOMER SERVICE:

Visit gemsealproducts.com or phone 866-264-8273 to find the location near you.

LIMITED WARRANTY

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.