



Technical Data

FedSpec Ultra Pavement Sealer

REV 7/24

DESCRIPTION:

GemSeal FedSpec Ultra Pavement Sealer is a clay-stabilized, fuel resistant coal tar emulsion pavement sealer designed to protect and beautify asphalt pavement. FedSpec Ultra is a ready to apply material that is factory blended with water, aggregate and polymer, providing a highly durable slip-resistant coating.

USES:

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

TYPICAL PROPERTIES:

Property	Characteristics	
	MIN	MAX
Residue by Evaporation	40	-
Water Content, %	-	60
Aggregate Content, %	10	50
Ash Content of Residue, %	40	-
Solubility of Residue in CS ₂ , %	20	-
Resistance to Volatilization, Residue Weight Loss, %	-	10
Drying Time, Firm Set, Hours	-	8
Uniformity	No separation, coagulation, or settlement that cannot be overcome by moderate stirring - PASS	
Wet Film Continuity	Uniform homogeneous consistency - PASS	
Resistance to Heat	No blistering, sagging, or slipping - PASS	
Resistance to Kerosene	No loss of adhesion or penetration. No softening of the film - PASS	
Resistance to Water	No loss of adhesion and no blistering or tendency to re-emulsify - PASS	
P-625 Fuel Resistance Test	Evaluation of fuel resistance - PASS	
P-630 Fuel Resistance Test	Evaluation of fuel resistance - PASS	
P-631 Fuel Resistance Test	Evaluation of fuel resistance - PASS	

ESTIMATING MATERIAL REQUIREMENTS:

One gallon of GemSeal FedSpec 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 FedSpec 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.

PERFORMANCE CHARACTERISTICS:

GemSeal FedSpec Ultra consists of GemSeal Coal Tar Concentrate meeting ASTM D5727 specifications plus water, sand and polymer that is factory blended.

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:

GemSeal FedSpec 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 GemSeal FedSpec Ultra into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

MIXING PROCEDURES:

Mix GemSeal FedSpec 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 minimum of two coats of GemSeal FedSpec Ultra. A third coat may be applied to high traffic areas such as parking lot entrances, exits and drive lanes for



Technical Data

FedSpec Ultra Pavement Sealer

REV 7/24

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:

GemSeal FedSpec 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:

GemSeal FedSpec Ultra is available for plant pick up or bulk tanker load quantities. GemSeal FedSpec 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.

REV 7/24

www.gemsealproducts.com