



Technical Data

FedSpec Sand Mix Pavement Sealer

REV 7/24

DESCRIPTION:

GemSeal FedSpec Sand Mix is a premium refined concentrated coal tar emulsion sealer, designed for application to asphalt pavement surfaces. FedSpec Sand Mix extends the service life and enhances the appearance to provide a cost effective preventative maintenance coating.

FEATURES:

- Formulated specifically for commercial application
- Exhibits outstanding wear resistance
- Weatherproofs and seals porous asphalt surfaces, preventing damaging effects of water penetration
- Protects pavements from oxidation by forming a tough protective skin
- Manufactured in a regulated continuous process for consistent emulsion particle size and distribution
- Resists gasoline and oil penetration
- Colloid milled for superior wearability and consistency

PHYSICAL PROPERTIES:

FedSpec Sand Mix meets properties and specifications listed below:

Property	Max.	Min.
Water (%)	43	38
Non-Volatile (%)	62	57
Ash (%)	61	56
Sp. Gr. @ 77°	1.43	1.33

APPLICABLE SPECIFICATIONS & STANDARDS:

Meets or exceeds requirements for:

ASTM D-6945; Emulsified Refined Coal-Tar (Commercial Grade), Type I and Type II

ASTM D 5727; Emulsified Refined Coal-Tar (Mineral Colloid Type) {replaces Federal Specification R-P-355e}

MIX DESIGNS:

FedSpec Sand Mix is a concentrate containing base coal tar emulsion, water, latex modifiers and graded mineral aggregates. It is designed to be further blended with potable water in proportions shown in the table below:

FedSpec Sand Mix (GAL)	Water (GAL)	Latex Polymer ¹ (GAL)
100	20-30	0-2

1. GemSeal Ultra 3 Latex or GemSeal AQS 3

APPLICATION RATE:

0.12-0.20 Gal/Sq.Yd. (per coat)

Use	Application Rate Gal/Sq.Yd.	ft ² /gal	Coats
Low Traffic	0.12-0.15	60-75	2
Medium Traffic	0.15-0.17	53-60	2
High Traffic	0.15-0.17	53-60	3

Fueling or truck maintenance areas may require an additional lightly sanded coat.

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:

FedSpec Sand Mix 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.

FedSpec Sand Mix 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.

Notes: Sealcoating is not recommended for enclosed or permanently shaded parking areas



Technical Data

FedSpec Sand Mix Pavement Sealer

REV 7/24

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:

FedSpec Sand Mix 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:

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