



Guardian PM Asphalt Emulsion Pavement Sealer

DESCRIPTION: GemSeal® Guardian PM is a high performance pavement sealer emulsion manufactured from modified asphalt resin with polymers for use on asphalt surfaces. Guardian PM provides outstanding adhesion, flexibility and durability. It weathers asphalt surfaces, seals against penetration by water, resists oil and fuel drippings from cars, trucks and aircraft, and blocks the destructive drying action of the sun by forming a tough protective membrane with a deep black color. Guardian PM provides a cost effective measure to extend the service life of asphalt surfaces.

FEATURES:

- Water based, low-VOC formula - contains less than 50 grams per liter. Polymer modified for outstanding adhesion, flexibility and durability.
- Formulated specifically to protect and enhance asphalt pavement surfaces, including commercial and residential parking areas and driveways.
- Guardian PM is manufactured in a colloid mill process that provides a uniform particle dispersion for product consistency and color quality.
- Weatherproofs and seals porous asphalt pavement surfaces, preventing damaging and erosive effects of water penetration.
- Guardian PM does not require additional latex additives because it is made using asphalt resin with polymers.
- Protects pavements from oxidation by forming a tough protective membrane with a deep black color.
- Enables outstanding wear resistance for longevity against traffic.

PHYSICAL PROPERTIES:

Property	Max.	Min.
Water (%)	60	53
Non-Volatile Solids (%)	47	40
Ash (%)	42	30
Sp. Gr. @ 77°	1.16	1.12

SURFACE PREPARATION:

Pavement surface must be structurally sound, free of debris, vegetation, dust, oils, grease and detergent residues before applications of sealer. Accumulations of petroleum deposits, tree sap and dirt should be scraped clean and treated with GemSeal® Tar Prime 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 before sealcoating.

New asphalt paving or repaired patches should ideally be allowed to cure for 60-90 days at temperatures of 60°F or above before seal coating begins. To test for readiness for sealcoating, new asphalt paving or repair patches should not show oil sheen or beading of water when a gallon of clean water is poured onto the surface.

MIX DESIGNS:

GemSeal® Guardian PM

GemSeal® Guardian PM (GAL)	Graded Aggregate ² (LB)
100	200 - 400

1. No additional dilution water is required. Guardian PM is ready to apply after the recommended addition of aggregate filler is mixed in.
2. Mineral Aggregate - Bonsal American recommends adding clean, washed, and well graded medium -to- fine silica sand or crushed boiler slag to provide adequate slip and skid resistance, for hairline cracks and small voids and to improve wear resistance of the cured coating. 2 lbs/gallon of 40-70 mesh size aggregate is recommended but up to 4 lbs/gallon can be added where pavement conditions are very rough and porous or where additional friction characteristics are desired.
3. Guardian PM is manufactured from an asphalt resin with polymers and does not require additional latex additives. Use of such additives with Guardian PM may void product warranty at manufacture’s sole discretion.

APPLICATION STANDARDS:

GemSeal® Guardian PM meets the following standards listed below:

- ASTM D 140
- ASTM D 244
- ASTM D 466
- ASTM D 529
- ASTM D 2939

APPLICATION RATE:

Yield: 0.11-0.15 Gal/Sq. Yd. (per coat) or 60-82 Sq.Ft./Gal (per coat)

Pavement Use	Application Rate gal/ sq.yd.	Coats
Low Traffic	0.11 - 0.13	2
Moderate Traffic	0.11 - 0.15	2
High Traffic	0.11 - 0.15	3



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APPLICATION:

GemSeal® Guardian PM can be applied using spray or mechanical squeegee equipment capable of controlled, uniform distribution of material conforming to mix designs and application rates specified herein. Material can also be applied with brush or rubber squeegee applicators designed for these products.

GemSeal® Guardian PM should be applied ideally 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. For best long term performance, allow a minimum of 4 hours of drying time between successive coats. Allow sealer to cure 24 hours after final coat before opening to traffic. Application in cooler temperatures (below 60°F), high humidity and/or damp or overcast conditions may significantly lengthen curing times.

Note: Sealcoating is not recommended for enclosed or permanently shaded parking areas such as underground parking garages. Application in such conditions shall void product warranty.

PACKAGING:

Available as a concentrate in 55-gallon drums and tank trucks up to 4,500 gallons.

SERVICE:

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

ATTENTION:

Buyer shall protect GemSeal® Guardian PM from freezing. Freezing shall void product Warranty.

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 Guardian PM Pavement Sealer.

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.

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