CARBONYTE® SYSTEMS INC

PAVEMENT PRESERVATION COATINGS TECHNOLOGY | AEROSPACE COATINGS TECHNOLOGY

GRIMEPRIME™ Fuel & Oil Spot Primer

CERTIFIED ROAD PRO Inspected Tested

GrimePrime™ is a penetrating primer and sealing polymer designed to be used between any ***Carbonyte***™ surfacing material and grease contaminated pavement. It will seal properly prepared fuel saturated spills, crankcase oil or grease spots and mirco-fissures. ***GrimePrime***™, scrubbed into mechanically abraded contamination, dissolves, then emulsifies the grime, thereupon chemically incorporating it into the polymer structure. When cured, the tough but ductile film assures adhesion of subsequent coatings to the base pavement substrate. Superior wet-out, minimal shrinkage and water resistant chemistry creates a sound, durable surface from previous slick areas of oil and grease spot contamination. ***GrimePrime***™ is available in 5 and 55 gallon containers.

Fuel spills from planes dissolve tarmacs/ramp's sealers, then penetrate and breakdown asphalt pavement, and grease and oil stains from motorized vehicles reduce the effective life of parking areas. Built-up contaminants can be tracked into businesses and homes and can cause potentially hazardous falls by pedestrian traffic. Installation (see back) includes adding silica sand for improved skid resistance and adhesion of additional coatings. After ***GrimePrime***™ has been scrub applied and has cured, the area is then ready for sealing with our TractionSeal™ product line or our CarbonSeal-FR™ fuel resistant sealcoat.


GrimePrime in parking lot

GrimePrime™ Advantages:

- *Tenaciously bonds to most substrates Eliminates thermal pumping of oil contaminates through new coating*
- *Provides flexible bridge, when installed over minor fissures and cracks, reducing potential to 'telegraph' into new slurry or seal overlay*
- *Traffic ready in minutes with rapid drying quality and good green strength shear resistance; will not heat-soften in the sun*
- *Provides durable underlayment film with tough encapsulation of grime particles for mechanical anchorage of over coat.*
- *Low air emission process – odorless VOC polymer; 'no torching required' eliminates smoke during preparation*
- *Dried container residue may be placed in municipal landfill*
- *Not DOT regulated*

Uses:

- *As a primer & sealer over fuel spill areas on Airport pavements*
- *As a primer and sealer over prepared traffic surfaces contaminated by drive-train drippings*


Fuel Spills on Airport Tarmac


Petroleum contamination


GrimePrime properly applied

Made in USA

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Main: 916.387.0316 | Fax: 916.388.1359 | www.carbonyte.com

CARBONYTE® SYSTEMS INC

CARBONYTE® SYSTEMS INC
High Performance ECOPURE Materials

TECHNICAL DATA SHEET

GRIMEPRIME™

GrimePrime™ is a penetrating primer and sealing polymer designed to be used as an underlayment between any ***Carbonyte***™ surface coating and grease stained pavement. ***GrimePrime***™ may also be used to prime new asphalt before seal coating or slurry. It is designed to seal properly prepared crankcase oil or grease spots and micro-fissures. ***GrimePrime***™, scrubbed into mechanically abraded contamination, dissolves then emulsifies the grime, thereupon chemically incorporating it into the polymer structure. Upon curing, the tough, but ductile film assures adhesion of subsequent coatings to the base pavement substrate. Superior wet out, minimal shrinkage and water resistant chemistry creates a sound durable surface out of previous slick areas of oil and grease spot contamination.

Available in 5 and 54 gallon containers

ADVANTAGES:

- Tenaciously bonds to most substrates
- Eliminates thermal pumping of oil contaminates through new coating
- Provides flexible bridge, when installed over minor fissures and cracks, reducing potential to 'telegraph' into new slurry of sealer overlay
- Traffic ready in minutes with rapid drying quality and good green strength shear resistance; will not heat soften in sun
- Provides durable underlayment film with tough encapsulation of grime particles for mechanical anchorage of overcoat
- Low air emission process – odorless VOC polymer, 'no torching required' eliminates smoke during preparation
- Dried container residue may be placed in municipal landfill.

USES:

- As a primer and sealer over prepared traffic surface contaminated by drive train drippings
- As a bridging underlayment for small fissures and cracks in pavement and concrete

APPLICATION:

Oil and Grease Spots – Thoroughly remove by use of a scraper, wire brush or power washer any buildup of surface contaminates such as old paint, drive train oil and/or grease deposits, etc. from the concrete or asphalt pavement to be sealed with ***GrimePrime***™. Do not use hydrocarbon solvents to clean the surface as this will interrupt the combinatorial chemistry of ***GrimePrime***™.

No torching is required – only remove excess grease with abrasion and sweep clean.

Brush, spray or pour a thin coat of ***GrimePrime***™ over the entire prepared area to a distance of at least 1 inch beyond all sub-surface stain. Using a medium-to-stiff bristled brush, vigorously scrub the entire area, working the ***GrimePrime***™ into the contamination. This mixing/scrubbing action performed with sufficient ***GrimePrime***™ liquid must cut the grime to the underlying, solid substrate; causing a foamy, viscous paste to form. Add additional ***GrimePrime***™ to the scrubbed area; then scrub again to mix the elements to a water- thin consistency. If the primed surface is smooth, broadcast a small amount of 60 mesh sand into second scouring process for improved mechanical anchorage of finished ***Carbonyte***™ ***Surfacer***. Allow to fully cure before proceeding with the application of the final surface coat.

Pavement Micro Fissuring – Mix ***GrimePrime***™ with any ***Carbonyte***™ ***Surfacer*** at a ratio of 2:1 (by volume). Assure that all loose material has been removed to a sound, uncontaminated substrate, then brush, roll or spray approximately 30 mils (0.25 gal/sq yd), wet film thick application of the blend over the fissured area. Allow to dry, then apply the ***Carbonyte***™ ***Surfacer*** of choice. A dry film thickness of at least 20 mils is necessary to achieve a long term blocking of thermally induced, crack transmission (telegraphing). Cracks wider than one-eighth of an inch (1/8") should be filled with ***RoadWeld™*** prior to coating with the ***GrimePrime***™ ***– Carbonyte***™ ***Surfacer*** blend.

TRANSPORTATION, STORAGE AND HANDLING:

- DOT: Not Regulated
- Keep out of reach of children.
- Do not allow to freeze prior to application**.**
- Do mix with any other products.
- Avoid prolonged skin contact.
- Keep containers tightly sealed when not in use.
- Do not take internally. Do not induce vomiting if swallowed--call a physician immediately.
- Store, handle and dispose per MSDS requirements.

Call Carbonyte Systems for sales and technical assistance: (916) 387-0316

SHIPPING INFORMATION:

Container Size	Units Per Pallet	Area Per Pallet	Weight Per Pallet	Pallet per 48" Trailer
5 gallon pails	32	40 ft^3	~1,450 lbs.	22
55 gallon drums	4	58 ft^3	~2,000 lbs.	20

PHYSICAL PROPERTIES:

Water Absorption	< 2%	ASTM D-570
Weight per gallon	~ 8.5	ASTM D-1475
Cured Film thickness/gallon/100s.f.	~ 8.0 mils	ASTM C-836
Percent by weight	<25	
Biocide Content	NONE	
VOC	< 10 grams / litre	BAAQMD Vol 3 Lab 22

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