



TECHNICAL DATA SHEET

STEELGUARD™

A single package, water dispersed polymer modified, slate and mineral filled, black, cementitious asphalt coating. The product, following minimal dilution with potable water, may be easily applied by squeegee; or spray applied with proper, heavy duty commercial application equipment. It is designed to restore minor road pavement surface profile loss; and to seal all asphaltic concrete surfaces against accelerated deterioration from oxidized hardening of the asphalt binder, sun exposure, wind, rain and mild chemical attack.

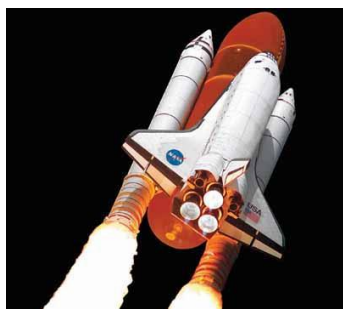
Available in 5, 55 and 250 gallon containers (Pails, Drums or Totes) and is available in bulk for pickup or delivery.

ADVANTAGES:

- **SteelGuard** is an environmentally friendly, high performance, extended wear asphalt coating.
- **SteelGuard** is free of carcinogenic materials, is nonflammable and uses recycled material wherever possible.
- **SteelGuard** uses only select crushed aggregates providing interlocking coating structures allowing for stable, high build applications coverage.
- **SteelGuard** uses advanced suspension technology and does not use any paper fibers which deteriorate over time.
- **SteelGuard** contains select inorganic polymers that cross-link on curing providing exceptional adhesion and resistance to surface abrasion.
- **SteelGuard's exclusive** engineered curing system, *Activated Curing*, promotes more rapid curing at modest temperatures and assures curing from the bottom up. This assists in preventing tracking issues caused by surface filming which may trap water.
- **SteelGuard's** activated curing properties work without the aid of direct sun load allowing nighttime installations under proper weather parameters.
- **SteelGuard** will resist re-emulsification once cured. Traffic striping immediately after curing may be achieved without discoloration.
- **SteelGuard** contains no bio-accumulative metals and contains no biocides. (All U.S. shipments)
- **SteelGuard** is non-hazardous in cured form; therefore, may be disposed as cured residue according to local disposal laws.

USES:

- **SteelGuard** is exclusively designed for pavement preservation and is suitable for use on parking lots, driveways, playgrounds, airport runways, residential roads, surface streets and highways.
- **SteelGuard** may offer additional performance characteristics such as extended life or improved friction values when modified in accordance with SteelGuard Plus modification options.



PHYSICAL PROPERTIES:

Water Absorption	< 1%	ASTM D-570
Weight per gallon	10.0 – 11.5 lbs/gallon	ASTM D-1475
Percent Solids	55 - 65	
Biocide Content	NONE (All U.S. Shipments)	
Wet Track Abrasion	<30 grams / s.f.	ISSA A-105, T-100
VOC	< 10 grams / liter	BAAQMD Vol 3 Lab 22

SteelGuard uses Aerospace coating technology seen here on the main rocket.

APPLICATION:

Apply onto clean, dry or damp pavement surfaces that have been properly prepared. Remove or treat all surface contaminants such as crankcase drippings, oil spots, grease, loose traffic paint, etc. Prior to application it is recommended that these treated areas be further prepared by surface priming with an Oil Spot Sealant. RaynGuard carries many application accessories such as squeegees, brooms, oil spot treatments, crack fillers, etc.

SteelGuard is supplied in a high viscosity consistency. Immediately prior to application potable water shall be slowly mixed into the easily stirred contents. Water may be added at an equivalent of one to twelve percent by volume (1 – 12%) of the **SteelGuard**. Do not over dilute this product as this will inhibit the anti-settling qualities of the **SteelGuard** and could possibly diminish the useful qualities of its cured physical properties.

Do not apply **SteelGuard** unless weather conditions exist to assure full cure prior to the product being subjected to rain, fog, heavy dew or snow. While **SteelGuard** is one of the quickest curing waterborne road surfacing compounds available it relies on the atmospheric conditions to absorb the water released from the formula during cross-linking and curing.

Immediately clean implements, including hoses, with cool water after application. Any **SteelGuard** left in hoses for an extended period may cure and be difficult to remove.

TRANSPORTATION, STORAGE AND HANDLING:

- DOT: not regulated
- Keep out of reach of children.
- Do not allow to freeze prior to application.
- Store in a cool, shaded area out of direct sunlight.
- Do not 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 of per MSDS requirements.