

# STEELGUARD | Technical Data Sheet

A single package, water dispersed, slate and mineral filled, black asphalt resurfacer. Following minimal dilution with potable water, **SteelGuard** may be easily applied by squeegee or spray applied with proper, heavy duty commercial equipment. It is designed to restore minor pavement surface profile loss as well as seal all asphalt surfaces against accelerated deterioration from sun, wind, rain, tire abrasion and mild chemical attack.

**Available in 5 gallon pail, 55 gallon drum, 275/330 gallon IBC tote, or bulk.**

## Advantages

- Excellent coverage with a higher film thickness per coat due to higher aggregate/binder content. Helps fill minor surface (non-working) cracks in the pavement to eliminate water penetration.
- Outstanding adhesion and toughness. Renowned around the world for providing long-lasting pavement protection.
- Fast drying and superior curing properties under normal conditions (see "Drying"). Assists in nighttime installations without direct sun loading. **RaynGuard Quick Dry** is available for more challenging installations.
- Will resist re-emulsification once fully cured. Traffic striping immediately after curing may be achieved without discoloration.
- Heavily resistant to tire scuff and power steering abuse.
- Contains no bio-accumulative metals or chemicals. Non-hazardous in cured form; therefore, may be disposed as cured residue into any municipal land fill.

## Uses

- Designed for application as a professional protective resurfacer of asphalt pavements including driveways, playgrounds, parking lots, bike paths, surface streets, highways and airport taxiways and runways.
- Available in modified forms for various color applications, skid resistant requirements or for applications in demanding situations or on alternative surface materials.

## Application

- Apply only onto clean, dry or damp surfaces from which all contaminants have been removed (i.e. built-up crankcase drippings, oil spots, loose traffic paint, etc). Areas upon which a high build-up of grease or loose paint exists shall be scraped, wire brushed and cleaned to eliminate oil residue from the underlying, sound asphaltic substrate. Prior to application it is recommended that these treated areas be further prepared by surface priming with **RaynGuard Oil Spot Sealer**.
- **SteelGuard** may be modified for special applications with a variety of polymers, adhesion packages, set control additives and select size aggregates for friction/skid promotion. Please contact your supplier for details.
- **SteelGuard** contains 4.5 pounds of crushed aggregate or more, per gallon and is supplied in a high viscosity, semi-paste consistency. The formula is balanced to provide suspension of the aggregate particles but stirring or mixing should be done prior to use to assure a balanced mix.
- Immediately prior to application a pre-determined, small quantity of potable water shall be slowly mixed into the contents at an equivalent rate of one to five percent by volume (1 – 5% under

normal conditions; up to as much as 10% under very hot conditions). **Important Note:** Do not over dilute this product as this will terminate the anti-settling qualities of **SteelGuard** and could possibly diminish the useful qualities of its cured physical properties.

## Drying & Curing

- **SteelGuard** is one of the fastest curing pavement surfacing materials available. All waterborne curing rates are dependent upon evaporation of the water contained within the formula. The combined effects of surface temperature, air temperature, sun load, wind and humidity will determine the atmospheric water removal capabilities at any given moment. A professional installer will gain valuable experience in gauging time-to-cure by observing cure times against spread rates within the range of these five indicators.
- Do not apply this product unless sufficient weather conditions exist to assure full cure prior to being subjected to rain, fog or other inclement weather or heavy traffic. It is recommended that the inexperienced applicator use spread rates of 20 gallons per 1000 square foot, during daylight hours, at surface and air temperatures above 55°F (13°C) and rising with no rain, fog or other inclement weather in the forecast for at least 48 hours.

## Cleaning

- Immediately after application, clean implements, including hoses, with cool water after application. **SteelGuard** may crosslink & cure if left standing in sun exposed spray hoses.

## Physical Properties

Description	Result	Standard
Water Absorption	<1%	ASTM D570
Weight per Gallon	10.5 – 11.5 lbs/gallon	ASTM D1475
Percent Solids	57-62%	
Wet Track Abrasion	<35 grams/square foot	ISSA A-105, T-100
VOC	<10 grams/liter	BAAQMD Vol 3 Lab 22

## Transportation, Storage & Handling

- DOT: Not regulated.
- Keep/store out of direct sunlight.
- Do not allow to freeze prior to application.
- Do not mix with any other products.
- Keep containers tightly sealed when not in use.
- Avoid prolonged skin contact.
- Do not take internally. Do not induce vomiting if swallowed.
- Store, handle and dispose as per SDS.



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