TECHNICAL DATA SHEET

STEELGUARD 65

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

Available in 5 and 55 gallon containers; and bulk.

ADVANTAGES:

- May be applied above freezing and on most damp or dry surfaces.
- High build single pass coverage, speeds project completion.
- Tenacious adhesion. Will not delaminate under ponding water when fully cured.
- Rapid curing at modest temperatures; usually allows same-day opening to traffic in less than eight hours.
- Excellent curing properties without aid of direct sun load; allows nighttime installations to be open to traffic the following morning.
- Will resist exudate or re-emulsification once cured. Traffic striping immediately after curing may be achieved without discoloration.
- High temperature, tire scuff resistant to power steering abuse.
- Contains no bio-accumulative metals, or chemicals; contains no biocides.
- Non-hazardous in cured form; therefore, may be disposed as cured residue into any municipal land fill.

USES:

- Designed for application as a permanent, protective top coating of asphaltic pavement assets used as playgrounds, parking lots, industrial warehouse floors, driveways, surface streets and highways.
- An effective filler and leveler (undiluted) for shallow divots in most rigid substrates.

APPLICATION:

Apply onto clean, dust free, dry or damp surfaces where all contaminates have been removed; i.e. built-up crankcase drippings, oil spots, loose traffic paint, etc. Areas where a high build-up of grease or loose paint exists shall be scraped, wire brushed and then torch prepared. Prior to application it is recommended that these treated areas be further prepared by surface priming with Oil Spot Seal.

Where surface profile restoration of divots, depressions or slightly off grade areas is desired ***Steelguard 65*** may first be mixed with 30 mesh sand to a thick paste consistency then placed into the low areas and troweled smooth. These areas should be allowed to cure prior to surfacing the balance of the project.

Steelguard 65 is supplied in a high viscosity, semi-paste consistency. This is necessary to insure anti-settling properties. Immediately prior to application a pre-determined, small quantity of potable water shall be slowly mixed into the easily stirred contents. Before diluting large quantities for application it is recommended the installer pre-determine the appropriate dilution ratio by placing a small quantity into a pail followed by adding water at an equivalent of one to three percent by volume (1 – 3%) of the ***Steelguard 65*** within the pail. By blending in the added water and then spreading onto the intended surface, an accurate determination can be made of the best water dilution ratio to achieve desired spread and wet out properties. Do not over dilute this product as this will terminate the anti-settling qualities of the ***Steelguard 65*** and could possibly diminish the useful qualities of its cured physical properties.

Do not apply this product unless sufficient weather conditions exist to assure full cure prior to being subjected to snow, rain or heavy dew. ***Steelguard 65*** is one of the fastest curing, single package, waterborne road surfacing compounds available; but its curing rates are still dependent upon evaporation of the minimal quantities of water contained within the formula. The atmosphere is the 'pump' which must provide a lower vapor pressure differential above the surface of the uncured coating for it to condense and dry. The combined effects of five physically measurable properties: surface temperature, air temperature, sun load, wind and humidity will determine the water removal capabilities of this atmospheric 'pump' at any given moment. The 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. It is recommended that the **inexperienced applicator** only apply this product at spread rates less than ¼ gallon per square yard, during daylight hours, at surface and air temperatures above 50° F (and rising) with no snow, rain or heavy dew in the forecast for at least 24 hours.

Immediately clean implements, including hoses, with cool water after application. ***Steelguard 65*** may crosslink if left standing in sun exposed spray hoses.

TRANSPORTATION, STORAGE AND HANDLING:

- DOT: not regulated
- Keep out of reach of children.
- Do not allow to freeze prior to application**.**
- 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 per MSDS requirements.

SHIPPING INFORMATION:

CONTAINER SIZE	UNITS PER PALLET	CUBIC FT PER PALLET	WEIGHT PER PALLET	PALLETS PER 48' TRAILER
5 Gallon Pails	48	57	~ 2900	18
55 Gallon Drums	4	58	~ 2650	20

PHYSICAL PROPERTIES:

Water Absorption	< 1%	ASTM D-570
Weight per gallon	11.3 – 11.8 lbs/gallon	ASTM D-1475
Percent Solids	65	
Biocide Content	NONE	
Wet Track Abrasion (6 Day)	<30 grams / sq. ft.	ISSA A-105, T-100
VOC	< 10 grams / liter	BAAQMD Vol 3 Lab 22