



# STAR ROAD-GUARD

## *SPECIALTY ASPHALT SURFACE TREATMENT, FOR MEDIUM TO LOW TRAFFIC BEARING ROADS.*



### GENERAL DESCRIPTION

**STAR ROAD-GUARD** is a specialty coating, designed for road surfaces that have deteriorated over the years of use. **STAR ROAD-GUARD** is an outstanding asphalt emulsion-based pavement coating that is far superior in performance compared to the conventional surface treatments. **STAR ROAD-GUARD** is formulated with tough rubber/ polymers, specialty chemicals and select mineral fillers which impart flexibility and durability to the coated pavement surfaces. To maximize the performance properties, the rubber/polymer is hot-blended during the manufacturing process.

### HIGHLIGHTED BENEFITS

#### **STAR ROAD-GUARD:**

1. **Is a unique product** with an unconventional technological approach. It has far superior performance to the conventional asphalt emulsion based products.
2. **Has outstanding flexibility, toughness and longevity.** It is useful on shopping centers and malls where typical ring road traffic causes other coatings to fail prematurely.
3. Will produce a uniform-textured surface that will improve the driving condition.
4. Will hold large amount of sand in suspension in the mix design.
5. Is certified to meet and/ or exceed specifications.
6. Is highly Cost Effective and performs better than mix designs, where the rubber latex is post-added on the job.
7. Is water-based; safe to handle and store. It is non-irritating, non-toxic and nearly odorless. It does not emit any noxious fumes or burning sensation to skin during application.
8. Excellent value in cost savings compared to traditional slurry sealing treatments.

## RECOMMENDED USES

STAR ROAD-GUARD is recommended for medium to low traffic roads that are structurally sound but with surface deterioration.

- Roads in a sub-division.
- Ring road, approach roads.
- Country roads.
- Residential streets.
- Play Areas.
- Highway shoulders.
- Parking Lots, etc.

## APPLICATION NOTES

### SURFACE PREPARATION:

1. Clean pavement of all dirt, dust, and debris.
2. Fill all cracks with a hot pour crack filler or STAR STA-FLEX, Cold-Pour Crack Filler.
3. Patch all broken and alligatored areas with either hot patch or a cold patch, STAR SURE-FLEX.
4. Clean and prime all oil spots with STAR S.O.S.OIL SPOT primer or STAR ONE STEP.

### NEW PAVEMENTS:

New asphalt surfaces shall be sufficiently cured (approx. 90 days @ 70+ Deg F) to rid of the surface oils through oxidation. Perform "water break free test" by spreading some water on the surface. If the water does not bead and sheets out evenly, the surface is ready for coating with STAR ROAD-GUARD.

### Dilution:

Max 20% water by volume on the amount of concentrated STAR ROAD-GUARD is recommended. Under highly humid and hot pavement temperature conditions an additional 5% of water may be added.

### Mix design - STAR ROAD-GUARD

Sealcoat Type	STAR ROAD-GUARD	WATER	AGGREGATE	APPLICATION OF THE MIX.
	GALLONS	GALLONS	LBS.	GAL/SQ.YARD
RUBBERIZED SAND SLURRY	100	20 max.	300-600	0.14-0.17
RUBBERIZED EMULSION	100	20 max.	None	0.10-0.12

Mix designs will vary according to the pavement surface conditions.

### APPLICATION TOOLS:

STAR ROAD-GUARD is applied using conventional methods; Airless spray, mechanical squeegee, hand tools-brushes, squeegees. Apply the first coat with suitable equipment and allow to dry thoroughly before applying the second coat. The second coat shall be spray applied to yield correct coverage rate, thus the optimum performance.

1<sup>st</sup>. Coat will dry in less than 2 hrs.

2<sup>nd</sup>. Coat may be applied as soon as the first coat is dry enough to take foot traffic and moving of the application equipment. The second coat shall be allowed to dry 24 hrs.

**COVERAGE RATES:**

Coverage rates may vary with the age of the pavement. Newer pavement will use less sealer than old oxidized pavements.

Low to Medium traffic- Two (2) Coats, 0.25 gal. of the mix per sq. yard or 35 sq. ft./gal. of the mix.  
High Traffic – Three (3) coats, 0.35 gal. of the mix per sq. yard or 25 sq. ft./gal. of the mix.

**WEATHER & AMBIENT CONDITIONS:**

Temperature- Min 50 deg F, forecasted and rising for the next 48 hrs.

Relative Humidity- Less than 60% is preferred, max. 80%.

Do not apply on rainy, extremely humid or foggy days.

**EXCLUSIONS:**

Do not use STAR ROAD-GUARD over chip seal or Gilsonite sealed surfaces. For best results apply according to manufacturers' Detailed Application Specifications.

**COLOR**

Black upon full cure.

**PRECAUTIONS**

**Keep out of reach of children**

Follow all safety instructions for handling and storage.

Read the Material Safety Data Sheet (MSDS).

Keep the partially used containers tightly closed.