

# STAR MICRO-PAVE<sup>®</sup>

## ASPHALT EMULSION SEALER

### GENERAL DESCRIPTION

STAR MICRO-PAVE<sup>®</sup> is a heavy-duty, Asphalt Emulsion (water based) sealcoating specifically designed to protect and beautify asphalt pavements. Based on carefully selected grades of asphalt binders, minerals, specialty additives and performance boosters, STAR MICRO-PAVE<sup>®</sup> has an extraordinary degree of toughness and water repellency, unmatched by any competitive sealer. STAR MICRO-PAVE<sup>®</sup> forms a tough, durable and flexible coating that protects asphalt pavements from the damaging elements of weather, water penetration, de-icing salts, traffic damage, surface raveling/checking and many chemicals. The combination of state-of-the-art technology in manufacturing and raw material selection translates into the following:

### OUTSTANDING PROPERTIES

- Outstanding Toughness and Durability – STAR MICRO-PAVE<sup>®</sup> is widely known as the leading AE sealer the industry when it comes to the protection and preservation of asphalt surfaces.
- Superior Flexibility – Ability to bridge minor surface (non-working) cracks in the pavement to eliminate water penetration and extend the life of asphalt surfaces.
- Beautifies While It Protects – Dries to an appealing dark charcoal color that enhances the value of the property. Snow removal becomes easier and traffic markings last longer.
- Resistant to re-emulsification in the presence of de-icing salts.
- Non-Irritating, Non-Toxic and Nearly Odorless – No noxious fumes or skin irritation during application. No solvent fumes, easy to handle, store and clean up. STAR MICRO-PAVE<sup>®</sup> is a low VOC product.

### RECOMMENDED USES

STAR MICRO-PAVE<sup>®</sup> is recommended for all asphalt pavements; home driveways, commercial parking lots, apartment complexes, restaurants, schools, walkways, recreational/play areas, theme parks, airfields/taxiways/airport shoulders, and many more.

### MIX DESIGN RECOMMENDATIONS

**Important** - All mix designs must include clean, quartz, angular sand.

	<u>US</u>	<u>METRIC</u>
STAR MICRO-PAVE <sup>®</sup>	100 Gal.	100 Liters
Water (Clean, Potable)	30-35 Gal.	30-35 Liters
Sand/Aggregate 50-70 AFS*	300-500 Lbs.	36-60 Kg.

\* Crushed slag (i.e. Black Beauty) may be used as the aggregate, provided it is clean, angular and within 50-70 AFS gradation.

*The use of an additive is optional, follow STAR's recommendations.*

### APPLICATION RATES

Must be applied to structurally sound pavements. Do not apply over chip seal or gilsonite sealed surfaces. The application rates shall be dictated by the traffic pattern and usage.

#### **1 For Low to Medium Traffic Areas Apply Two (2) Coats:**

a) **Concentrated Sealer** - the total coverage rate of 0.18 - 0.20 Gal./Sq. Yd. or 45 - 50 Sq. Ft./Gal. (1.1 - 1.22 Sq. Meter/Liter).

b) **Mixed Sealer** - 0.27 - 0.30 Gal./Sq. Yd. or 30 - 33 Sq. Ft./Gal. (0.73 - 0.81 Sq. Meter/Liter).

#### **2 For High Traffic Areas Apply Three (3) Coats:**

a) **Concentrated Sealer** - the total coverage rate of 0.25 - 0.28 Gal./Sq. Yd. or 32 - 36 Sq. Ft./Gal. (0.8 - 0.9 Sq. Meter/Liter).

b) **Mixed Sealer** - 0.38 - 0.42 Gal./Sq. Yd. or 21 - 24 Sq. Ft./Gal. (0.51 - 0.59 Sq. Meter/Liter).

### IMPORTANT WEATHER LIMITATIONS

- Surface and air temperature should be a min. 50° F (10° C) and rising.
- Do not apply on rainy, foggy, or extremely humid days, or when rain is in the forecast within 24 hours.
- If the pavement temperature is over 100° (38°C) dampen the pavement with a fine mist of water to facilitate even spreading. Do not allow water to puddle on the surface.

### APPLICATION TOOLS

- Use conventional tools; Brush, rubber squeegee or spray rig.
- Clean up with Water. Do not discard washings in the bodies of water or down sewer drains.
- Dried sealer on tools - Wire brushing, scarping and peeling.
- Keep stored containers sealed tightly.

### CURING TIME

Cure time will vary according to temperature and humidity at the time of application. Insufficiently cured films wear prematurely. Lower temperatures, high humidity and lack of direct sunlight will prolong the cure time. Higher temperatures, lower humidity and direct sunlight accelerate the cure process. If a second coat is to be applied, allow the first coat to dry sufficiently to withstand light vehicular and pedestrian traffic without damaging or scuffing the coating. After the application of the last coat, allow the coating to cure at least 20-24 hours under good drying conditions.

### SPECIAL INSTRUCTIONS

Apply only on unsealed asphalt or surfaces previously sealed with either Asphalt Emulsion or Refined Tar based sealers. Do not apply over surfaces sealed with gilsonite and other solvent based seal coatings. New asphalt pavements must be allowed to cure at least 90 days in hot weather. Perform a water break free test to confirm that the surface oils have dissipated. Not recommended for steeply inclined surfaces, as they may become slippery when wet.

### CAUTIONS

KEEP FROM FREEZING / KEEP OUT OF REACH OF CHILDREN  
Wear gloves and protective clothing. In case of contact, flush skin or eyes immediately with fresh water. If the product gets in the mouth or eyes see a physician immediately. Consult a Safety Data Sheet for details.

### PACKAGING & AVAILABILITY

5-Gallon plastic pails, 55-gallon drums & 275-gallon plastic totes, and bulk at all STAR plant locations.

**WARRANTY & DISCLAIMER** Using additives not manufactured by S.T.A.R., Inc. may result in inconsistent or undesired results. STAR's additives are designed specifically for use with the RTS and AE sealcoatings our Member Plants produce. The suggestions and related data contained on these pages are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. S.T.A.R., Inc. will not be responsible for any indirect or consequential damages. We will either replace or refund the purchase price in the event the products are proved to be defective, at our option.



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