

# STAR MICRO-PAVE

## ASPHALT EMULSION SEALCOATING

### PRODUCT BULLETIN

#### Heavy Duty Asphalt Emulsion Seal coating

#### DESCRIPTION

MICRO-PAVE® is a heavy duty seal coating that is especially designed to protect and beautify asphalt pavements e.g. airports, commercial parking lots, home driveways, etc. Based on select grades of asphalt resins, minerals, specialty additives and performance boosters, MICRO-PAVE® provides maximum protection against;

- \* Weathering and traffic damage
- \* Moisture and water penetration
- \* Freeze / thaw cycle damage
- \* Surface raveling and checking

#### OUTSTANDING FEATURES

* Outstanding Toughness:	MICRO-PAVE® is useful on shopping centers and malls where typical ring road traffic causes other seal coatings to fail prematurely.
* Superior Flexibility:	MICRO-PAVE® can be used to seal surfaces with small cracks to eliminate water penetration.
* Non-Irritating:	MICRO-PAVE® is non-toxic and nearly odorless. No noxious fumes and no burning sensation, during application.
* Water based:	No solvent fumes. Low V.O.C. product.

#### RECOMMENDED USES

MICRO-PAVE® is recommended for all off-street asphalt surfaces that are in sound and stable condition. MICRO-PAVE® provides a rich and uniform textured surface that is durable, skid resistant and easy to maintain.

· Parking Lots	· Home Driveways	· Airports	· Highway Shoulders
· Walkways	· Gas Stations	· Play Areas	· and more...

MICRO-PAVE® may be used on new or old surfaces. It is specially suited for play areas where foot traffic may cause scuffing with conventional sealers.

#### COLOR

Black after full cure.

# APPLICATION

## 1. Surface Preparation:

- a. Clean pavement of all dirt, dust and debris. Fill cracks with a hot pour crack filler or STAR STA-FLEX, STA-FLEX SUPREME (cold pour crack fillers).
- b. Patch all broken and alligatored areas with either a hot mix or a cold patch material.
- c. Prime all oil spots with STAR S.O.S. Primer / Sealer or STAR ONE STEP.

## 2. New Pavements:

New asphalt surfaces shall be cured (approx. 90 days @ 70+ deg. F.) to allow light surface oils to oxidize. Perform a water break test by spreading some water on the asphalt surface. If water does not bead and spreads evenly, it is ready for seal coating.

## 3. Preparation of the material (Mix Designs):

MICRO-PAVE® is supplied in a concentrated form that has to be mixed with water, sand and additives, according to the following general formula;

MICRO-PAVE®	- 100 gals.
WATER	- 20 gals, max.
Sand/Aggregates	- 300-500 lbs.
Additive (MICRO-LOCK)	- 2-3 gals.

The material shall be mixed to a uniform consistency and kept agitated during application. The use of an additive is recommended to boost the performance of the seal coating system, by enhancing durability, flexibility and toughness.

## 4. Method of Application:

Airless spray, mechanical squeegee, hand tools-brushes and squeegees. Apply the first coat with suitable equipment and allow to dry thoroughly before applying the second coat. The final coat shall be allowed to dry at least 24 hours, under good drying conditions prior to allowing traffic.

## 5. Coverage Rates:

Low to medium traffic	- Two (2) coats, 0.25 gallon of the mix/sq. yard
High Traffic	- Three (3) coats, 0.35 gallon of the mix/sq. yard

## 6. Weather/Ambient Conditions:

Temperature: Min. 60 F. and forecasted for the next 48 hours.  
Relative humidity: Less than 60% is preferred, max. 80%.  
Do not apply on rainy, foggy or extremely humid days.

## 7. Exclusions:

Do not use MICRO-PAVE® over chip seal or gilsonite sealed surfaces.

To obtain the best performance results:

- Apply according to manufacturers detailed application specifications.
- MICRO-PAVE® is designed to be applied in two (2) coats for best results.
- Use 2% (by volume) of STAR MICRO-LOCK for all mix designs using sand / aggregates to attain proper sand anchoring and stop sand rollout.

## CAUTION

- KEEP OUT OF REACH OF CHILDREN
- Read Material Safety Data Sheet prior to use for details on safety, handling, disposal, etc.
- Mix thoroughly before using and keep unused container properly sealed.

WARRANTY AND DISCLAIMER - These suggestions and data 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. will not be responsible for any indirect or consequential damages. We will either replace or refund the purchase price in the event products are proved to be defective at our option.

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# HERCULES SEALCOAT MANUFACTURING, inc