

STAR MACRO-FLEX ADDITIVE - Q & A

Q. What is MACRO-FLEX?

- A. STAR MACRO-FLEX is a true rubberizing, A/B (Acrylonitrile/ Butadiene) latex-based additive that significantly improves the performance of sealcoatings based on Specialty Petroleum Resins, Refined Tar (RTS) and Asphalt Emulsion based sealcoatings. Such additives were the first ones approved for use by FAA (Federal Aviation Administration), over 50 years ago.

Q. How does MACRO-FLEX benefit my sealcoating?

- A. STAR MACRO-FLEX reinforces sealcoatings in the most desirable aspects of toughness, flexibility, viscosity for sand suspension, longevity, and overall resistance to petrochemicals and de-icing salts.

Q. When can I use Macro-flex?

- A. STAR MACRO-FLEX is recommended for applications where moderate to high traffic exists or environments with frequent abuse from harsh chemicals, de-icing salts, kerosene, gasoline, oils, petrochemicals, fat, and grease.

Q. How does it work?

- A. As sealcoating dries, the polymer network in the additive fuse with binder (asphalt, tar, other resins) particles and tightens within the film, forcing water out at a uniform rate, resulting in uniform dry color and improved properties such as:

- Toughness
- Flexibility
- Fuel and Chemical Resistance
- Sand Suspension
- Faster Drying
- Overall longevity.

Q. At what level of addition should I use the additive in sealcoating?

- A. Depending on the amount of water and sand, STAR MACRO-FLEX should be added at 2-5% (by volume) of concentrated sealer. STAR MACRO-FLEX should be pre-diluted, with an equal volume of water, before adding to the sealer.

Q. Why would someone pay for the added cost of MACRO-FLEX? What is the cost benefit?

- A. MACRO-FLEX will allow you to capture additional business by:
- a. Allowing your Refined Tar mix designs the ability to meet FAA specs,
 - b. Improving flexibility and the ability to bridge minor surface (non- working) cracks in the pavement to eliminate water penetration and extend the life of asphalt surfaces.
 - c. Giving your jobs more toughness, even and textured look, to attract customers.

Q. How long has it been on the market?

- A. Over 35 years.

Q. Performance testimonials?

A. Yes, many after extensive field trails at several STAR plant locations.