

# ADMIXUS<sup>®</sup> MST

## in High-Performance Micro-Surfacing & Slurry Systems

### Maximum Performance. Zero Operational Friction.

ADMIXUS<sup>®</sup> MST fibrillated HDPE at 0.5% dosage provides the ultimate balance of structural integrity and job-site efficiency for pavement preservation professionals. While traditional fibers require expensive augers or specialized feeders, ADMIXUS<sup>®</sup> MST is engineered for **instant dispersion** into your existing emulsion or pugmill system, and **no plugging** of application equipment.

#### 1. Redefined Performance

Elevate your micro-surfacing specifications with a binder that resists wear and holds aggregate longer.

- **Superior Wear Resistance:** Reduces ASTM Wet Track Abrasion (WTA) weight loss by **45–50%**.
- **Rapid Cohesion & Cure:** Improves film formation by **85–90%**, even in challenging conditions.
- **Uniform Integrity:** Reduces pinholes and film inconsistencies, creating a dense, impermeable matrix.

#### 2. Mechanical Advantage (TDS Data)

Micro-surfacing requires a binder that can handle high shear and traffic stress without rutting or cracking. ADMIXUS<sup>®</sup> MST delivers significant mechanical gains over standard commercial controls.

Metric	Standard Control	ADMIXUS <sup>®</sup> MST (0.5%)	Improvement
Tensile Stress	1.0 MPa	<b>1.7 MPa</b>	<b>+70% Strength</b>
Tensile Strain	0.5 mm/mm	<b>2.2 mm/mm</b>	<b>+340% Flexibility</b>
Modulus	1.0 MPa	<b>1.25 MPa</b>	<b>+25% Stiffness</b>
Toughness	0.5 units	<b>3.74 units</b>	<b>+648% Energy to Break</b>

Adapted from “Improving the Wet Track Abrasion of Asphalt Emulsion Sealers” by J. McJunkins, B. Prezzavento and A. Curcio, January 2021, *PCI Magazine*, p. 42.

#### 3. The Productivity Edge: No Auger Required

Stop fighting with fibers that ball up or require specialized induction equipment.

- **Seamless Mixing:** Unlike long-strand synthetic fibers, MST’s highly fibrillated structure allows for uniform distribution with standard agitation.
- **Reduce Equipment Costs:** No need for dedicated fiber feeders or high-shear blowers—use your existing equipment.
- **Formulation Efficiency:** The addition of MST may enable formulators to reduce concentrations of other expensive raw materials while maintaining performance.

#### 4. Field-Proven Durability

- **Chemical & Fuel Resilience:** Tested to maintain structural integrity even after a **6-day gasoline soak** prior to Wet Track Abrasion testing.
- **Low-Temperature Stability:** Proven film development when cured at **55°F**, ensuring successful applications in early-season or nighttime paving.
- **Target Applications:** High-traffic highways, urban arterials, airport runways, and heavy-duty slurry seals.

**Contact us** for more information about ADMIXUS<sup>®</sup> MST fibrillated HDPE:

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**MINIFIBERS, INC.**

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