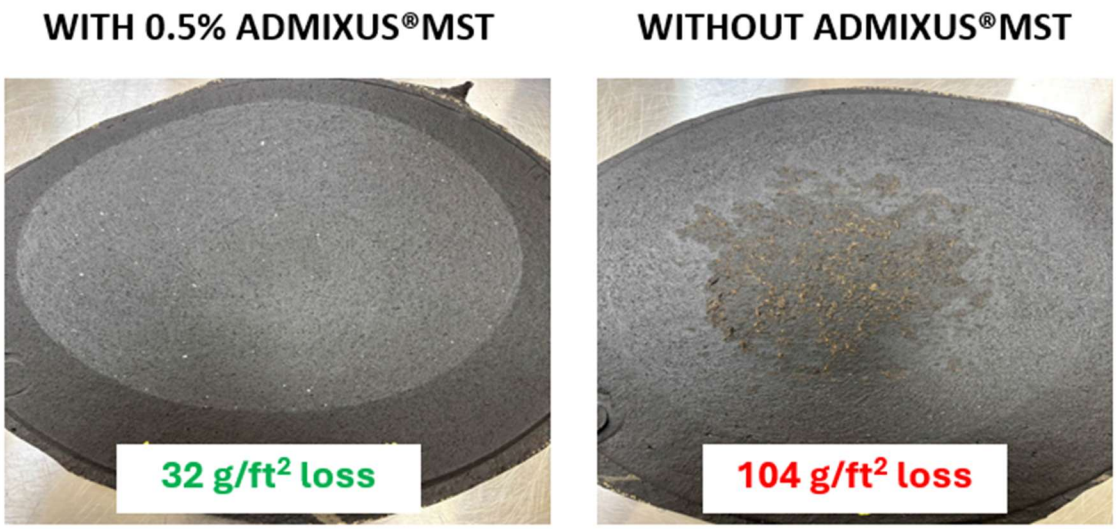
Unlocking Pavement Longevity: High-Performance Surface Retention with ADMIXUS® MST Fibers

ISSA TB-100 6-DAY SOAK WTAT Performance in a commercial product

Armor Your Asphalt: The ADMIXUS® 6-Day Soak Results — 70% Reduction in Material Loss



Technical Note: Service Life & Performance Correlation
Testing Standard: ISSA TB 100 (6-Day Wet Track Abrasion Test)

Performance Analysis:

The Wet Track Abrasion Test is the primary industry indicator for a treatment's resistance to raveling and moisture-induced mechanical wear. While standard specifications typically allow for a maximum loss of 75–100 g/ft² under a 6-day soak, the Admixus® MST-modified sample demonstrated a superior retention rate of 32 g/ft²

Key Correlations:

- **Raveling Resistance:** A **70% reduction** in aggregate loss directly correlates to a high-tenacity bond, significantly reducing the "scour" effect caused by heavy traffic and snowplow contact.
- **Service Life Extension:** Industry field studies suggest that treatments maintaining weight loss well below specification thresholds 50 g/ft² exhibit a slower rate of surface oxidation. This delay in the "aging curve" can extend the functional service life of the wearing course by **30–50%** before a maintenance intervention is required.
- **Moisture Susceptibility:** The minimal loss in a 6-day accelerated soak confirms that Admixus® MST fibrillated HPDE fiber provides an exceptional moisture barrier, preventing the cohesive failure typically seen in standard binders during extended wet-weather cycles.

ADMIXUS® MST Fibrillated HDPE Fibers are available from MINIFIBERS, INC.

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