

SLURRY-FIL®

Extended asphalt road life



Slurry-FIL® roving and pre-chopped fibers have been specifically designed to work in conjunction with materials commonly used in pavement preservation asphalt mixes to enhance ductility.

- ✓ Produced with alkali-resistant AR glass for peak performance.
- ✓ Similar specific gravity to aggregate, to assure quick and uniform dispersion within the matrices.
- ✓ Slurry-FIL® AR glass is hydrophobic and will not require matrix modification, impact workability, reduce matrix strength, or increase road closure time.

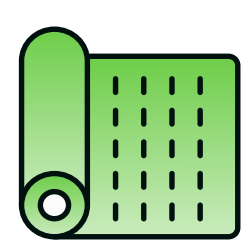
FOR MICRO-SURFACING AND SLURRY SEAL PAVEMENT RESURFACING APPLICATIONS

Product Benefits



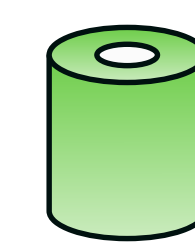
Performance

- Dramatic increase in pavement flexibility
- Acid- and alkali-resistant
- Excellent dispersion
- Increased overlay ductility
- Reduced reflective cracking



Chopped

- Easy feeding through automated dispensers
- Prebagged for easy dispenser loading



Roving

- High split efficiency
- Easy chopping
- Enables optimized fiber length

Application

- In the micro-surfacing and slurry seal processes, Slurry-FIL® AR glass quickly disperses throughout the slurry surfacing matrices.
- Slurry-FIL® AR glass has been designed to work in conjunction with the asphalt matrices to ensure excellent workability and reliable long-term performance.



Technical Characteristics

ROVING				
LINEAR DENSITY OF ROVING (TEX) (ISO 1889:2009)		LINEAR DENSITY OF STRAND (TEX) (ISO 1889:2009)	LOSS ON IGNITION (%) (ISO 1887:1995)	MOISTURE (%) (ISO 3344:1997)
4800		100	1.75	0.35 max
PRE-CHOPPED STRANDS				
FIBER LENGTH	FILAMENT DIAMETER	TEX (g/km)	LOSS ON IGNITION (%) (ISO 1887:1995)	MOISTURE (%) (ISO 3344:1997)
6mm or 1/4 inch	0.21 mm	82	0.9 %	0.5 % max

- Assembled Roving
 - Chopped Strand
 - Specific Gravity: 2.68
 - Material: Alkali-resistant glass*
- Softening Point: 860°C–1 580°F
 - Chemical Resistance: Very high
 - Modulus of Elasticity: 72 GPa — 10 x 10⁶ psi
 - Tensile Strength: >1 000 MPa — >145 x 10³ psi

*Our fibers are manufactured with high zirconia content in compliance with C1666/C1666/M-07 and EN 15422.

Dosage

Slurry-FIL® AR glass is used in the slurry surfacing manufacturing processes with specified chopping and dispensing equipment. The recommended dosage is 0.20% to 0.40% of dry material weight.

Packaging & Storage

- Slurry-FIL® rovings are protected by a shrink-wrap polythene film, open at the top, which should not be removed when the product is in use. Rovings are packed on pallets.
- Slurry-FIL® chopped strands are packed in individual plastic bags.
- Slurry-FIL® should be stored away from heat and moisture, and in its original packaging.
- Optimum conditions are temperatures between 15 °C and 35 °C and humidity between 35% and 65%. If the product is stored at lower temperatures, it is advisable to condition it in the workshop for at least 24 hours before use to prevent condensation.

Quality Standards

- Slurry-FIL® fibers are manufactured under a quality management system approved to ISO 9001.
- Slurry-FIL® fibers are not classified as dangerous by the Regulation 1272/2008/EC. For more information, please refer to our Safe Use Instruction Sheet.
- Verified Environmental Product Declaration according to ISO 14025 and EN 15804:2019 available upon request.

MAKE
MORE
POSSIBLE™

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