

Product description

Asphalt reinforcement fibers made from 100% recycled fiberglass. These fibers improve flexural toughness, ductility, energy absorption and fatigue resistance in asphalt and bulk molding compounds.



Benefits and characteristics Compared to unreinforced asphalt

- Extends pavement life by 30%-40% for long-term cost savings.
- Resists rutting (AASHTO T 324 tested).
 - Reduces max impression depth 35%.
 - Increases stripping inflection point 20%.
- Boosts asphalt strength (AASHTO-D 7313 tested).
 - Increases cracking resistance 30%.
- Increases asphalt durability 40%.
- Increase asphalt's resistance to the creation of potholes.

Applications

Asphalt paving on streets, highways, interstates and parking lots.

PHYSICAL PROPERTIES

Material	Modified glass fiber
Form	Monofilament bundle
Color	Off-white
Filament Length	12.5 – 25.7 mm
Tensile Strength	2100 MPa
Tensile Modulus	69 – 76 GPa
Softening Point	1555 F

Storage and shelf life

The fibers have a minimum shelf life of three years stored in dry conditions. Keep product in its original packaging.



Sustainability

Made of 100% recycled fiberglass from wind turbine blade manufacturing scrap, REGEN Fiber asphalt fibers offer a sustainable option compared to traditional fibers made from virgin materials. Using REGEN Fiber asphalt fibers helps builders meet the growing demand for eco-friendly materials and a lower carbon footprint.

Our fibers extend the lifespan of asphalt, reducing the need for repairs and replacement. This not only promotes sustainability but also long-term savings.

DOSAGE BY WEIGHT*

IMPERIAL (lb/ton)	METRIC (kg/ton)
3.6	1.6

**Example of a standard commercial parking lot asphalt mix applications (Based on 3% binder replacement with 6% binder in a mix ton) Please contact us for further dosage recommendations.*



Mixing guidance

Introduce fiber during asphalt production via premeasured dose bags or plant fiber delivery system, similar to recycled asphalt shingles (RAS) incorporation. Fiber is available in dose bags and bulk per customer requirements.

Disclaimer

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