



EUCLID CHEMICAL

SUSTAINABLE SYNTHETIC MICROFIBER

PSI™ FIBERSTRAND™ REPREVE® 225



PRIMARY APPLICATIONS

- Slabs-on-grade, sidewalks, driveways, parking lots, curb work, overlays and toppings
- Footings, foundations, walls and tanks
- Shotcrete and stucco applications
- Precast and prestressed structures
- Spalling control and fire protection
- Stamped and colored concrete

FEATURES AND BENEFITS

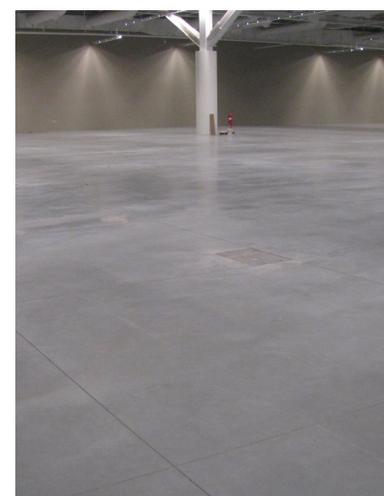
- Controls and mitigates plastic shrinkage cracking
- Reduces segregation and bleed-water
- Provides three-dimensional reinforcement against micro-cracking and spalling
- Easily added to concrete mixture at any time prior to placement
- Sustainably resourced with low environmental impact
- Over 300 million fibers per pound

PSI Fiberstrand REP REVE 225 microfiber is a fine denier polyester fiber that has been resourced and manufactured from plastic bottles and is a part of the PSI Fiberstrand line of microfiber products. For every pound of PSI Fiberstrand REP REVE 225 that is used in concrete, 9.5 plastic bottles are diverted from landfills (21 bottles / kg of fiber). Compared to virgin processed polypropylene fiber, PSI Fiberstrand REP REVE 225 helps to reduce environmental impact, emitting fewer greenhouse gases and conserving water and energy in the process while improving the durability of concrete. This fiber can be used for driveways, mass concrete, poured walls and any applications where plastic shrinkage is a concern. Dosage rates have been validated to meet the minimum requirements of the International Code Council Acceptance Criteria for concrete use requiring a plastic cracking reduction of 60% compared to un-fiber reinforced concrete. The fine diameter and short length of PSI Fiberstrand REP REVE 225 also make it ideal for use where aesthetics are a concern such as colored concrete and stamped applications.

FIBER-REINFORCEMENT FROM EUCLID CHEMICAL

PSI Fiberstrand REP REVE 225 by Euclid Chemical is a high-quality, synthetic microfiber that is certified and traceable, made from 100% recycled materials including post-consumer plastic bottles and pre-consumer waste, providing a more durable and longer-lasting concrete with reduced environmental impact.

Euclid Chemical can also provide experienced assistance to develop concrete mix designs using PSI Fiberstrand REP REVE 225, along with technical and marketing materials for the education and training of owners, engineers, contractors and ready-mix producers.



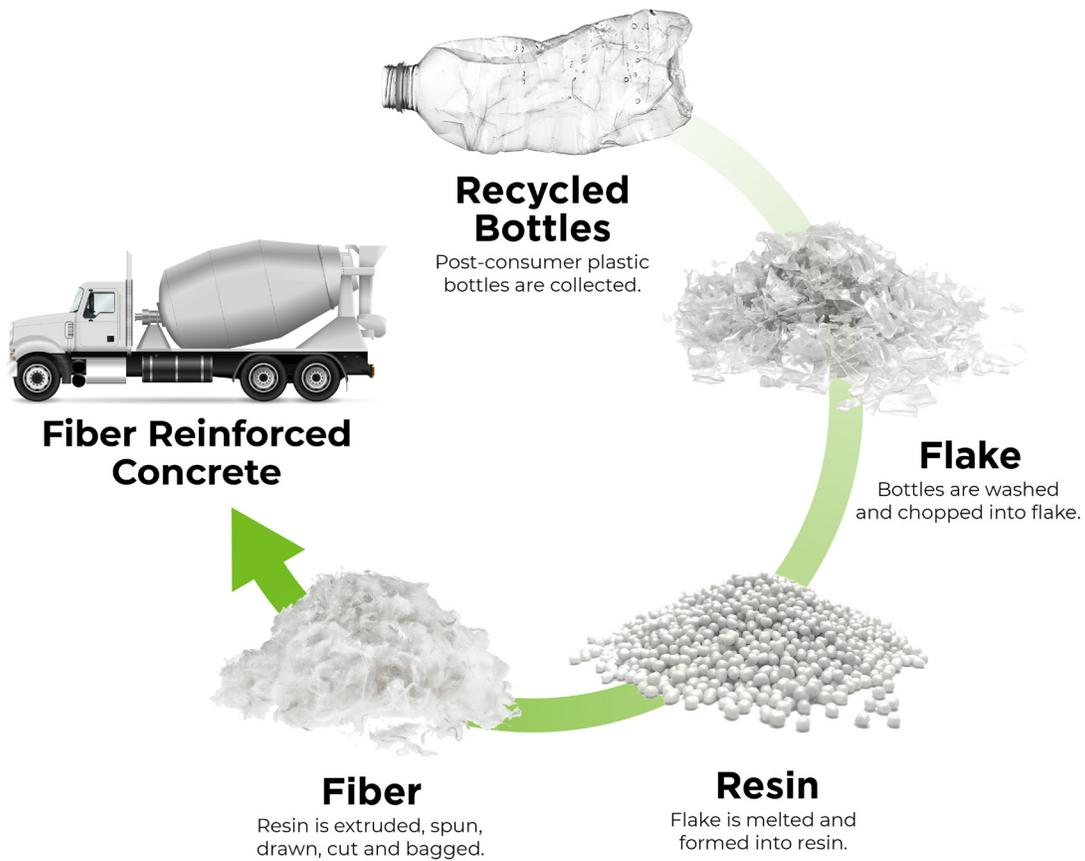


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MADE WITH REPREVE® RECYCLED FIBERS

Euclid Chemical has partnered with Unifi, the maker of REPREVE, the world's number one branded recycled performance fiber. Unifi makes products for the good of tomorrow and Euclid Chemical has taken this a step further by combining REPREVE fiber with its PSI Fiberstrand synthetic microfiber performance technologies to create unique sustainability benefits for the concrete consumers and construction industry.



ENVIRONMENTAL IMPACT

The environmental savings of using this product add up quickly, and we can provide a total bottle count, as well as quantify energy, greenhouse gas emissions and water savings for large projects.

For example, a 1,000 yd³ (765 m³) project at the recommended dosage rate would keep 4,725 bottles out of landfills, and save the equivalent of 103 gallons (390 L) of gas, 263 gallons (1000 L) of water, and 470 kg of CO₂ emissions. One box of PSI Fiberstrand REPREVE 225 from Euclid Chemical contains fiber manufactured from 190 bottles.

