

Carbon Fiber Recycling's rCF Microfiber Delivers Spec-Compliant Plastic Shrinkage Crack Control In Concrete

CFR's rCF Microfiber cut plastic-shrinkage crack width at low dosage rates, and with far lower embodied carbon than polypropylene microfiber.

TAZEWELL, TN, UNITED STATES, September 3, 2026 /EINPresswire.com/ -- Carbon Fiber Recycling's rCF Microfiber Delivers Spec-Compliant Plastic Shrinkage Crack Control In Concrete at Just 0.25 lb/yd³ Higher dosages deliver strong additional crack reduction while offering dramatically lower carbon impact than conventional polypropylene fibers



24mm Liberated rCF from Pyrolysis

[Carbon Fiber Recycling, LLC](#) (CFR) today announced strong plastic shrinkage crack control results for its rCF Microfiber.

Key Results

- 0.25 lb/yd³ □ 42.4% average reduction in plastic shrinkage crack width – Exceeds the greater-than-40% threshold commonly required under ICC-ES AC32
- 0.75 lb/yd³ □ 75% average reduction

"These results give engineers and contractors real choice," said Doug Griffin of Carbon Fiber Recycling. "If the project simply needs to check the box and meet the specification, 0.25 lb per cubic yard gets the job done. When the goal is maximum crack control, increasing the dosage to 0.75 lb or higher delivers substantially stronger performance."

Sustainability Advantage

rCF Microfiber delivers approximately 60–66 times lower embodied carbon per cubic yard compared with conventional polypropylene microfibers at equivalent dosages.

"Contractors and ready-mix producers no longer have to choose between performance and

sustainability,” Griffin added. “rCF Microfiber provides both — and at competitive cost.”

Full technical details, including complete test data and the side-by-side comparison with conventional polypropylene microfiber, are available in CFR’s new Technical Bulletin, published on the company’s website at, [CFR – Technical Data](#).

About Carbon Fiber Recycling, LLC

Founded in 2018 and headquartered in Tazewell, Tennessee, Carbon Fiber Recycling operates North America’s first fully integrated continuous-flow carbon fiber recycling facility. The company transforms prepreg scrap, cured composites, and dry fiber waste into high-quality recycled carbon fiber products — including milled, chopped, and custom-length fibers — for use in composites, thermoplastics, concrete, and other high-performance applications. CFR’s patented, environmentally friendly process delivers 100% pure recycled carbon fiber with consistent quality and full traceability.

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