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For All Your Ready Mix Needs

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The use of Fiber Reinforced Concrete has been steadily growing over the past several years. In general, fibers can add protection against plastic and drying shrinkage cracking while providing better impact, abrasion and fatigue performance. Fibers are generally classified by ASTM C1116 and within the concrete industry are grouped into micro and macro fibers. Micro fibers are in the form of fibrillated and monofilament polypropylene, polyester and nylon and are used to protect against plastic shrinkage only. Macro-fibers are usually in the form of coarse monofilament polypropylene and steel fibers and are used to replace welded wire mesh, and conventional rebar in pre-cast, slab on grade and shotcrete applications. ACI 360 (Design of Slabs on Ground) now recognizes steel and macro-synthetic fibers as a material to design structural slabs on ground.