IN-LB Inch-Pound Units

An ACI Standard

Performance-Based Fiber-Reinforced Concrete for Slabs-on-Ground and Overlays—Specification

Reported by ACI Committee 544

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This Specification covers the performance requirements for the use of fiber-reinforced concrete in slabs-on-ground and overlays, and includes provisions for the minimum equivalent flexural residual strength required for the fiber-reinforced concrete. It applies to the use of steel, synthetic, and glass macrofiber used to replace reinforcing steel bars and welded-wire reinforcement. This Specification is intended to supplement the requirements presented in ACI 301 and not intended to be a standalone specification. The use of microfibers for plastic shrinkage crack-width control is not covered by this Specification.

Keywords: equivalent flexural residual strength; fiber(s); fiber-reinforced concrete; overlays; slabs-on-ground.

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