SI International System of Units

An ACI Standard

Type Methyl Methacrylate Slurry (MMS) Polymer Overlays for Bridge and Parking Garage Deck—Specification

Reported by ACI Committee 548

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This Specification covers methyl methacrylate slurry (MMS) overlays for bridge and parking garage decks. The MMS polymer overlay incorporates methyl methacrylate-based primer, resin filler slurry, and topcoat with selected filler and aggregate to produce a flexible, skid-resistant, and low-permeability slurry overlay. The overlay is used for new construction or rehabilitation. This Specification includes requirements for chemical components, filler, aggregates, storage and handling, surface preparation, surface profile, mixing, placement, quality control, and quality assurance.

Keywords: bridge decks; low permeability; methyl methacrylate; parking garage decks; polymer overlay; surface preparation.

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