

**Specification for Type MMS
(Methyl Methacrylate Slurry)
Polymer Overlays
for Bridge and Parking Garage Decks**

An ACI Standard

Reported by ACI Committee 548



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

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This Specification covers methyl methacrylate slurry (MMS) overlays for bridge and parking garage decks. Type MMS polymer overlay incorporates methyl methacrylate-based primer, binder, and top coat with selected filler and aggregate to produce a flexible, skid-resistant, and water-resistant slurry overlay. The overlay is used for both new construction and rehabilitation. The overlay is placed by applying the polymer slurry system to the surface and broadcasting aggregate. This Specification includes requirements for chemical components, aggregates, storage and handling, surface preparation, surface profile, mixing, placement, finishing, and quality control.

The materials, processes, quality control measures, and inspections described in this document should be tested, monitored, or performed as applicable only by individuals with appropriate ACI certifications or equivalent.

Keywords: aggregate; bridge decks; methyl methacrylate; mortar; overlays; parking garage decks; polymer; premixed; resin; slurry.

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