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Guide for Polymer Concrete Overlays

Reported by ACI Committee 548



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Guide for Polymer Concrete Overlays

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American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
Phone: +1.248.848.3700
Fax: +1.248.848.3701

www.concrete.org

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Reported by ACI Committee 548

Brad Nemunaitis, Chair

Mahmoud M. Reda Taha, Secretary

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This guide provides an overview of thin (less than 1 in. [25 mm] thick) polymer concrete overlays for concrete and steel substrates. Emphasis is placed on their use in the transportation sector, specifically for bridge decks and parking garages. Surface preparation, application, quality control, and safety aspects are included.

Keywords: aggregate; bridge deck; epoxy; high friction surface; methyl methacrylate; mortar; overlay; parking garage decks; polyester; polymer concrete; premixed; resin; skid resistance; slurry.

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