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Epoxy and Aggregate High Friction Surface on Concrete—Specification

Reported by ACI Committee 548

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Epoxy and Aggregate High Friction Surface on Concrete—Specification

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American Concrete Institute
2880 Country Club Drive
Farmington Hills, MI 48331
Phone: +1.248.848.3700
Fax: +1.248.848.3701

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Mahmoud M. Reda Taha, Chair

Ashraf I. Ahmed
Mohammad A. Alhassan
Jacques A. Bertrand
Constantin Bodea
Chris Davis

Don Edwards
David W. Fowler
Quentin L. Hibben
Albert O. Kaeding
Jay Lee

John R. Milliron
Bradley Nemman
Joseph A. Nucita, Jr.
Michael L. Schmitt
Joseph R. Solomon

Michael M. Sprinkel
Michael S. Stenko
Donald P. Tragianese
Wafeek S. Wahby
David White

Consulting Members

Milton D. Anderson
Lu Anqi
Craig A. Ballinger
John J. Bartholomew
Shashi P. Bhatnagar
Jerry D. Byrne
Zhi-Yuan Chen

Lech Czarnecki
Harold (Dan) R. Edwards
Larry J. Farrell
George Horeczko
David P. Hu
Bert Paul Kriekemans
Deon Kruger

William Lee
Troy D. Madeley
Henry N. Marsh Jr.
Peter Mendis
Peter J. Moss
Yoshihiko Ohama
Kelly M. Page

Hamid Saadatmanesh
Donald A. Schmidt
Meyer Steinberg
Harold H. Weber Jr.

This Specification describes the work of producing a high-friction surface treatment (HFST) on asphalt or concrete pavements by the application of an epoxy or methyl methacrylate binder and aggregate broadcast. The HFST incorporates a low-modulus polymer binder and selected aggregate to produce a flexible, high-friction (skid-resistant) pavement surface. The HFST may be used for both new and existing pavements. The HFST is produced by applying the neat epoxy or methyl methacrylate binder to the surface and broadcasting aggregate onto it.

This Specification includes requirements for components of the polymer binders, aggregates, storage and handling, surface preparation, surface profile, mixing, and placement.

Keywords: aggregates; asphalt pavements; concrete pavements; epoxy binder; methyl methacrylate binder; polymer application; quality control; skid resistance

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