

**Specification for Type ES
(Epoxy Slurry) Polymer Overlay
for Bridge and Parking Garage Decks**

An ACI Standard

Reported by ACI Committee 548



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American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
U.S.A.

Phone: 248-848-3700
Fax: 248-848-3701

www.concrete.org

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Michael S. Stenko
Chair

Herschel H. Allen III
Milton D. Anderson
John J. Bartholomew
Constantin Bodea
James T. Dikeou
Harold (Dan) R. Edwards
Garth J. Fallis

David W. Fowler
Robert W. Gaul
Larry E. Good
Albert O. Kaeding
John R. Milliron
Brad Nemunaitis
Richard C. Prusinski

Mahmoud M. Reda Taha
John R. Robinson
Donald A. Schmidt
Qizhong Sheng
Joe Solomon
Michael M. Sprink

Donald P. Tragianese
C. Naraswamy Vipulanandan
Wafeek S. Wahby
Harold H. Weber, Jr.
David White
David P. Whitney

This Specification covers epoxy slurry (ES) overlay for bridge and parking garage decks. Type ES polymer overlay incorporates low-modulus epoxy-based slurry and selected aggregate to produce a flexible, skid-resistant, and water-resistant overlay. The overlay may be used for both new construction and rehabilitation. The overlay is placed by applying the polymer slurry 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.

Keywords: aggregate; bridge decks; epoxy; mortar; overlays; parking garage decks; polymer; premixed; repair slurry.

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