

An ACI Standard

# Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks

Reported by ACI Committee 548

ACI 548.8-19



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## **Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks**

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*This Specification covers epoxy multi-layer (EM) polymer overlay for bridge and parking garage decks. Type EM polymer overlay incorporates a low-modulus epoxy binder and selected aggregate to produce a flexible, skid-resistant, and low-permeability overlay. The overlay may be used for both new construction and rehabilitation of existing structures. The overlay is placed by applying the neat epoxy binder to the surface and broadcasting aggregate. This Specification includes requirements for epoxy resin, aggregates, storage and handling, surface preparation, surface profile, mixing, placement, quality control and quality assurance.*

**Keywords:** bridge decks; epoxy; multi-layer; parking garage decks; polymer overlay; surface preparation; low permeability.

## CONTENTS

### SECTION 1—GENERAL, p. 2

- 1.1—Scope, p. 2
- 1.2—Interpretation, p. 2
- 1.3—Definitions, p. 2
- 1.4—Reference standards, p. 2
- 1.5—Submittals, p. 3
- 1.6—Project conditions, p. 3
- 1.7—Labeling, storage, and handling of materials, p. 3

1.8—Quality assurance and quality control acceptance of work, p. 3

### SECTION 2—PRODUCTS, p. 3

- 2.1—Epoxy binder, p. 3
- 2.2—Aggregate, p. 3

### SECTION 3—EXECUTION, p. 4

- 3.1—Procedure qualification, p. 4
- 3.2—Surface preparation, p. 4
- 3.3—Mixing epoxy binder, p. 4
- 3.4—Overlay application, p. 5
- 3.5—Curing, p. 5
- 3.6—Excess aggregate removal, p. 5
- 3.7—Joints, p. 5
- 3.8—Open to traffic, p. 5

ACI 548.8-19 supersedes ACI 548.8-07, became effective May 31, 2019, and was published August 2019.

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