

An ACI Standard

Epoxy Grout Installation between Foundations and Equipment Bases— Specification

Reported by ACI Committee 351

ACI SPEC-351.5-24



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Epoxy Grout Installation between Foundations and Equipment Bases—Specification

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This Specification covers minimum requirements for installing epoxy grouting between foundations and equipment bases. Included are requirements for materials, placement, forming, testing, repair, and quality control. A mandatory requirements checklist and an optional requirements checklist are provided to assist the Architect/Engineer in supplementing the requirements of this Specification as required or needed by designating or specifying individual project requirements.

Keywords: cement grout; cementitious grout; epoxy grout; equipment grout; foundations; grout.

CONTENTS

PART 1—GENERAL, p. 2

- 1.1—Scope, p. 2
- 1.2—Interpretation, p. 2
- 1.3—Definitions, p. 2
- 1.4—Referenced standards, p. 3
- 1.5—Submittals, p. 3
- 1.6—Delivery, storage, and handling, p. 3
- 1.7—Quality assurance and control, p. 3
- 1.8—Acceptance of Work, p. 3

PART 2—PRODUCTS, p. 4

- 2.1—Materials, p. 4
- 2.2—Accessories, p. 4

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PART 3—EXECUTION, p. 4

- 3.1—Preparation, p. 4
- 3.2—Installation, p. 5
- 3.3—Testing and inspection, p. 6
- 3.4—Repair, p. 6
- 3.5—Cleaning, p. 6
- 3.6—Hot weather curing, p. 6

NOTES TO SPECIFIER, p. 6

- General notes, p. 6
- Forward to checklists, p. 6

PART 1—GENERAL

1.1—Scope

1.1.1 This Specification covers requirements for installation of epoxy grout between foundations and bases of equipment and machinery.

1.1.2 This Specification is incorporated by Contract Documents and provides requirements for the Contractor.

1.1.3 This Specification governs for construction within its scope, except project-specific Contract Documents govern if there is a conflict.

1.1.4 This Specification governs if there is a conflict with referenced material and testing standards.

1.1.5 Contractor is permitted to submit written alternatives to any provision in this Specification for consideration.

1.1.6 Do not use this Specification in conjunction with **ACI 301**, **ACI 350.5**, or **ACI 530.1** unless Contract Documents state that this Specification governs for Work covered by 1.1.1.

1.1.7 Ignore provisions of this Specification that are not applicable to the Work.

1.1.8 Values in this Specification are stated in inch-pound units. A companion Specification in SI units is also available.

1.1.9 The Notes to Specifier are not part of this Specification.

1.2—Interpretation

1.2.1 Unless otherwise explicitly stated, this Specification shall be interpreted using the following principles.

1.2.1.1 Interpret this Specification consistent with the plain meaning of the words and terms used.

1.2.1.2 Definitions provided in this Specification govern over the definitions of the same or similar words or terms found elsewhere.

1.2.1.3 Whenever possible, interpret this Specification so that its provisions are in harmony and do not conflict.

1.2.1.4 Headings are part of this Specification and are intended to identify the scope of the provisions or sections that follow. If there is a difference in meaning or implication between the text of a provision and a heading, the meaning of the text governs.

1.2.1.5 Where a provision of this Specification involves two or more items, conditions, requirements, or events connected by the conjunctions “and” or “or,” interpret the conjunctions as follows:

“and” indicates that all connected items, conditions, requirements, or events apply

“or” indicates that connected items, conditions, requirements, or events apply singularly

1.2.1.6 The use of the verbs “may” or “will” indicates that the specification provision is information to the Contractor.

1.2.1.7 The phrase “as indicated in Contract Documents” means the specifier included the provision requirements in the Contract Documents.

1.2.1.8 The phrase “unless otherwise specified” means the specifier may have included an alternative to the default requirement in the Contract Documents.

1.2.1.9 The phrase “if specified” means the specifier may have included a requirement in Contract Documents for which there is no default requirement in this Specification.

1.2.1.10 If an ACI Specification refers to combined ASTM standards, include the following provision in the interpretation article: “Unless otherwise stated, the inch-pound system [or metric, whichever is applicable] of units is applicable to combined standards referenced in this Specification.” Provisions should include the complete designation of a combined standard.

1.3—Definitions

The following definitions shall govern in this Specification.

accepted—determined by Architect/Engineer to be in compliance with Contract Documents.

Architect/Engineer—the architect, engineer, architectural firm, or engineering firm developing Contract Documents, or administering the Work under Contract Documents, or both.

Contract Documents—set of documents that form the basis of a contractual relationship between an Owner and Contractor or design-builder. These documents are defined by the contractual agreement, and can contain contract forms, contract conditions, specifications, drawings, addenda, and contract changes.

Contractor—the person, firm, or entity under contract for construction of the Work.

drawings—graphic presentations that detail requirements for Work and may include written notes.

headbox—device for controlling the flow of grout into the formwork.

Owner—the corporation, association, partnership, individual, public body, or authority for whom the Work is constructed.

Specification—the written document that details requirements for Work.

submit—provide to Architect/Engineer for review.

submittal—document or material provided to Architect/Engineer for review and acceptance.

testing agency—the person, firm, or entity under contract for providing testing services.

unrestrained areas of grout—areas of grout that are not under or within 4 in. of the baseplate.

Work—the entire construction or separately identifiable parts thereof required to be furnished under Contract Documents.