An ACI Standard

Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases

Reported by ACI Committee 351

ACI 351.4-14



American Concrete Institute Always advancing

This is a preview. Click here to purchase the full publication.



Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases

Copyright by the American Concrete Institute, Farmington Hills, MI. All rights reserved. This material may not be reproduced or copied, in whole or part, in any printed, mechanical, electronic, film, or other distribution and storage media, without the written consent of ACI.

The technical committees responsible for ACI committee reports and standards strive to avoid ambiguities, omissions, and errors in these documents. In spite of these efforts, the users of ACI documents occasionally find information or requirements that may be subject to more than one interpretation or may be incomplete or incorrect. Users who have suggestions for the improvement of ACI documents are requested to contact ACI via the errata website at http://concrete.org/Publications/ DocumentErrata.aspx. Proper use of this document includes periodically checking for errata for the most up-to-date revisions.

ACI committee documents are intended for the use of individuals who are competent to evaluate the significance and limitations of its content and recommendations and who will accept responsibility for the application of the material it contains. Individuals who use this publication in any way assume all risk and accept total responsibility for the application and use of this information.

All information in this publication is provided "as is" without warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose or non-infringement.

ACI and its members disclaim liability for damages of any kind, including any special, indirect, incidental, or consequential damages, including without limitation, lost revenues or lost profits, which may result from the use of this publication.

It is the responsibility of the user of this document to establish health and safety practices appropriate to the specific circumstances involved with its use. ACI does not make any representations with regard to health and safety issues and the use of this document. The user must determine the applicability of all regulatory limitations before applying the document and must comply with all applicable laws and regulations, including but not limited to, United States Occupational Safety and Health Administration (OSHA) health and safety standards.

Participation by governmental representatives in the work of the American Concrete Institute and in the development of Institute standards does not constitute governmental endorsement of ACI or the standards that it develops.

Order information: ACI documents are available in print, by download, on CD-ROM, through electronic subscription, or reprint and may be obtained by contacting ACI.

Most ACI standards and committee reports are gathered together in the annually revised ACI Manual of Concrete Practice (MCP).

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

www.concrete.org

This is a preview. Click here to purchase the full publication.

Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases

An ACI Standard

Reported by ACI Committee 351

David Kerins*, Chair

Omesh B. Abhat Richard P. Bohan[†] William L. Bounds William D. Brant Michael M. Chehab Shu-Jin Fang Fred R. Goodwin Shraddhakar Harsh Erick N. Larson Robert R. McGlohn Carl A. Nelson Richard O'Malley Michael A. Paipal[†] Ira W. Pearce

*Chair of Task Force 351.TG1. [†]Members of Task Force 351.TG1 who prepared this specification.

This specification covers minimum requirements for cementitious grouting between foundations and equipment bases. Included are requirements for materials and placing.

Keywords: cement grout; cementitious grout; equipment grout; foundations; grout; hydraulic cement grout; machinery grout.

CONTENTS

(mandatory portion follows)

PART 1-GENERAL, p. 1

- 1.1-Scope, p. 1
- 1.2—Interpretation, p. 2
- 1.3—Definitions, p. 2
- 1.4—Referenced standards, p. 2
- 1.5-Submittals, p. 2
- 1.6—Delivery, storage, and handling, p. 2
- 1.7—Quality control procedures, p. 2
- 1.8—Acceptance of work, p. 3

PART 2-PRODUCTS, p. 4

- 2.1—Grouts, p. 4
- 2.2—Joint and sealant material, p. 4
- 2.3—Formwork, p. 4
- 2.4-Water, p. 4

PART 3-EXECUTION, p. 4

3.1—Preparation, p. 4

3.2—Installation, p. 5

Mukti L. Das, Secretary

Charlie L. Rowan William E. Rushing Jr. Yasser Salem Larry W. Schulze Philip A. Smith[†] Widianto F. Alan Wiley Sheng-Chi Wu

Consulting Members Navin N. Pandya Shamsher Prakash Robert L. Rowan Jr.

3.3—Testing and inspection, p. 6
3.4—Repair, p. 6
3.5—Cleaning, p. 6
(nonmandatory portion follows)

NOTES TO SPECIFIERS, p. 6

General notes, p. 6 Foreword to checklists, p. 6

MANDATORY REQUIREMENTS CHECKLIST, p. 7

OPTIONAL REQUIREMENTS CHECKLIST, p. 7

(mandatory portion follows)

PART 1—GENERAL

1.1—Scope

1.1.1 This specification covers minimum requirements for cementitious grouting between foundations and equipment and machinery bases.

1.1.2 This specification supplements the Contract Documents and provides requirements for the Contractor.



ACI 351.4-14 was adopted December 18, 2014, and was published February 2015. Copyright @ 2014, American Concrete Institute.

All rights reserved including rights of reproduction and use in any form or by any means, including the making of copies by any photo process, or by electronic or mechanical device, printed, written, or oral, or recording for sound or visual reproduction or for use in any knowledge or retrieval system or device, unless permission in