An ACI Standard

# Specification for Unreinforced Concrete Parking Lots and Site Paving

Reported by ACI Committee 330

ACI 330.1-14



American Concrete Institute Always advancing

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



## Specification for Unreinforced Concrete Parking Lots and Site Paving

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 Unreinforced Concrete Parking Lots and Site Paving

### An ACI Standard

# Reported by ACI Committee 330

Robert Louis Varner, Chair

David J. Akers Richard O. Albright J. Howard Allred William L. Arent Joseph P. Bergmaier Bryan M. Birdwell David W. Buzzelli Michael W. Cook Tim Cost Michael S. Davy Norbert J. Delatte Douglas W. Deno Edwin H. Gebauer Nader Ghafoori Bruce A. Glaspey Omer Heracklis Jerry A. Holland Jim Hoolehan Kenneth G. Kazanis Frank A. Kozeliski

This specification covers minimum requirements for the construction of unreinforced concrete parking lots on grade. Included are requirements for submittals, testing and inspection, concrete materials, embedded reinforcement at joints, jointing and sealant material, forms, subgrade preparation, subbase, placing, texturing, curing, jointing, tolerances, and opening to traffic. This specification does not cover requirements for pervious concrete.

Keywords: construction; curing; inspection testing; jointing; pavements; site paving; texturing.

#### CONTENTS

(mandatory portion follows)

#### PART 1-GENERAL, p. 2

- 1.1—Scope, p. 2
- 1.2-Definitions, p. 2
- 1.3—Referenced standards, p. 3
- 1.4-Submittals, p. 3
- 1.5—Storage and handling, p. 3
- 1.6—Testing and inspection, p. 3

#### PART 2-PRODUCTS, p. 3

- 2.1-Concrete, p. 3
- 2.2-Embedded reinforcement at joints, p. 4
- 2.3—Membrane-forming curing compounds, p. 4
- 2.4—Joint and sealant material, p. 4
- 2.5—Forms, p. 4

#### PART 3-EXECUTION, p. 4

- 3.1—Subgrade preparation, p. 4
- 3.2-Subbase, p. 4
- 3.3—Setting forms, p. 4

Frank Lennox John R. Love III Richard E. Miller Jon I. Mullarky Matthew A. Offenberg Scott M. Palotta Nigel K. Parkes Jan R. Prusinski David Newton Richardson Robert Alan Rodden David M. Suchorski Scott M. Tarr Diep T. Tu Christopher R. Tull Don J. Wade Richard L. Warren

Consulting Member D. Gene Daniel

- 3.4—Placing embedded reinforcement at joints, p. 4
- 3.5—Batching, mixing, and delivery, p. 4
- 3.6—Placing and finishing fixed-form pavement, p. 4
- 3.7-Placing and finishing slipform and laser-guided
- screed pavements, p. 5
  - 3.8—Edging, p. 5
  - 3.9—Final surface texture, p. 5
  - 3.10 Tolerances, p. 5
  - 3.11-Curing, p. 5
  - 3.12—Hot- or cold-weather construction, p. 5
  - 3.13—Jointing, p. 5
  - 3.14—Opening to traffic, p. 6

#### NOTES TO SPECIFIER, p. 6

General notes, p. 6

(nonmandatory portion follows)

#### FOREWORD TO CHECKLISTS, p. 6

#### MANDATORY REQUIREMENTS CHECKLIST, p. 7

#### **OPTIONAL REQUIREMENTS CHECKLIST, p. 8**

#### SUBMITTALS CHECKLIST, p. 8

ACI 330.1-14 became effective July 22, 2014, and was adopted and published November 2014.

Copyright © 2014, American Concrete Institute

ors

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



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