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American National Standard Specifications for the Installation of Ceramic Tile

Material & Installation Standards

ANSI A108, A118, & A136

American National Standards for the Installation of Ceramic Tile

Secretariat
Tile Council of North America, Inc.

Approved
American National Standards Institute, Inc. (ANSI)

Abstract

This publication is a compilation of voluntary standards for the installation of ceramic tile. American National Standard specifications A108.01, .02, .1A, .1B, .1C, .4, .5, .6, .8, .9, .10, .11, .12, .13, .14, .15, .16, and .17 define the installation of ceramic tile. A118.1, .3, .4, .5, .6, .7, .8, .9, .10, .11, .12, and A136.1 define the test methods and physical properties for ceramic tile installation materials. These standards are intended to be referenced or included in the ceramic tile sections of project specifications.

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Foreword

This foreword is not part of American National Standard A108, A118, or A136.

These voluntary standards define the installation of ceramic tile as well as the test methods and physical properties for ceramic tile installation materials. They are intended to serve as a guide to the general public, manufacturers, distributors, specifiers, architects, tile contractors, testing laboratories, and other businesses and professionals in the tile industry.

While the existence of these standards does not in any respect preclude anyone, including those who have accepted them, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to this standard, producers of ceramic tile installation materials made in conformance with these standards are encouraged individually to indicate such conformance in advertising, promotion, and labeling.

These standards were processed and approved for submittal to ANSI by the Accredited Standards Committee (ASC) on Ceramic Tile A108. Committee approval of a standard does not necessarily imply that all committee members voted for its approval. The A108 Committee had the following members at the time of publication:

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NOTE: The following Introduction and Notes are not part of American National Standards A108, A118, or A136.1 which are included herein – 2005.

1.0 Introduction

1.1 The applicable ANSI specifications for ceramic tile installed with portland cement mortar, dry-set or latex-portland cement mortar, organic adhesive, epoxy adhesive, chemical resistant water cleanable tile-setting and -grouting epoxy, chemical resistant furan mortar and grout, modified epoxy emulsion mortar, and the ANSI specifications for the installation of ceramic tile grouts should be made a part of a project specification by reference or by copying the applicable parts of the ANSI specification and including into the ceramic tile sections of a project specification. In either case, augment the ANSI specifications and modify the specific project conditions.

NOTE – If ceramic tiles irregular in size and/or thickness (not conforming to ANSI A137.1) are specified and specialized methods are required for installation, labor and material costs will be increased.

1.2 American National Standard specifications A118.1, .3, .4, .5, .6, .7, .8, .9, .10, .11, and .12, and A136.1 for ceramic tile installation materials are included with these ANSI specifications as separate documents and should also be referenced or included in project specifications.

1.3 The term “thin-set” is not specific. “Thin-set” describes a family of products manufactured to be used as setting and/or bonding coats. When a thin-set method is desired for which there is a specification, the appropriate ANSI specification should be referenced by both number and title.

2.0 Notes for tile material, accessories, and definitions

2.0.1 Include a full description of each type of tile to be used in project specification. Refer to A108.02 Paragraph 3.1.1 of the standard specifications herein in addition to grade markings on tile containers. When specified by the architect, Master Grade Certificates will be issued at the time of shipment. The covering order is required to show the names of the architect and owner and the name and location of the project. Specimens of the Master Grade Certificate and applicable labels are shown in ANSI A137.1.

2.0.2 For each specialty tile being chosen, review installation guidelines supplied by the manufacturer/distributor of the specialty tiles and/or adhesive manufacturer. Specialty tiles include but are not limited to tiles made from non-ceramic materials.

2.1 Exteriors

On exteriors, use only tile recommended by the manufacturer as suitable for the climatic conditions of the locality.

2.2 Interiors

Use only tile types recommended by the manufacturer as suitable for walls and/or floors (traffic areas).