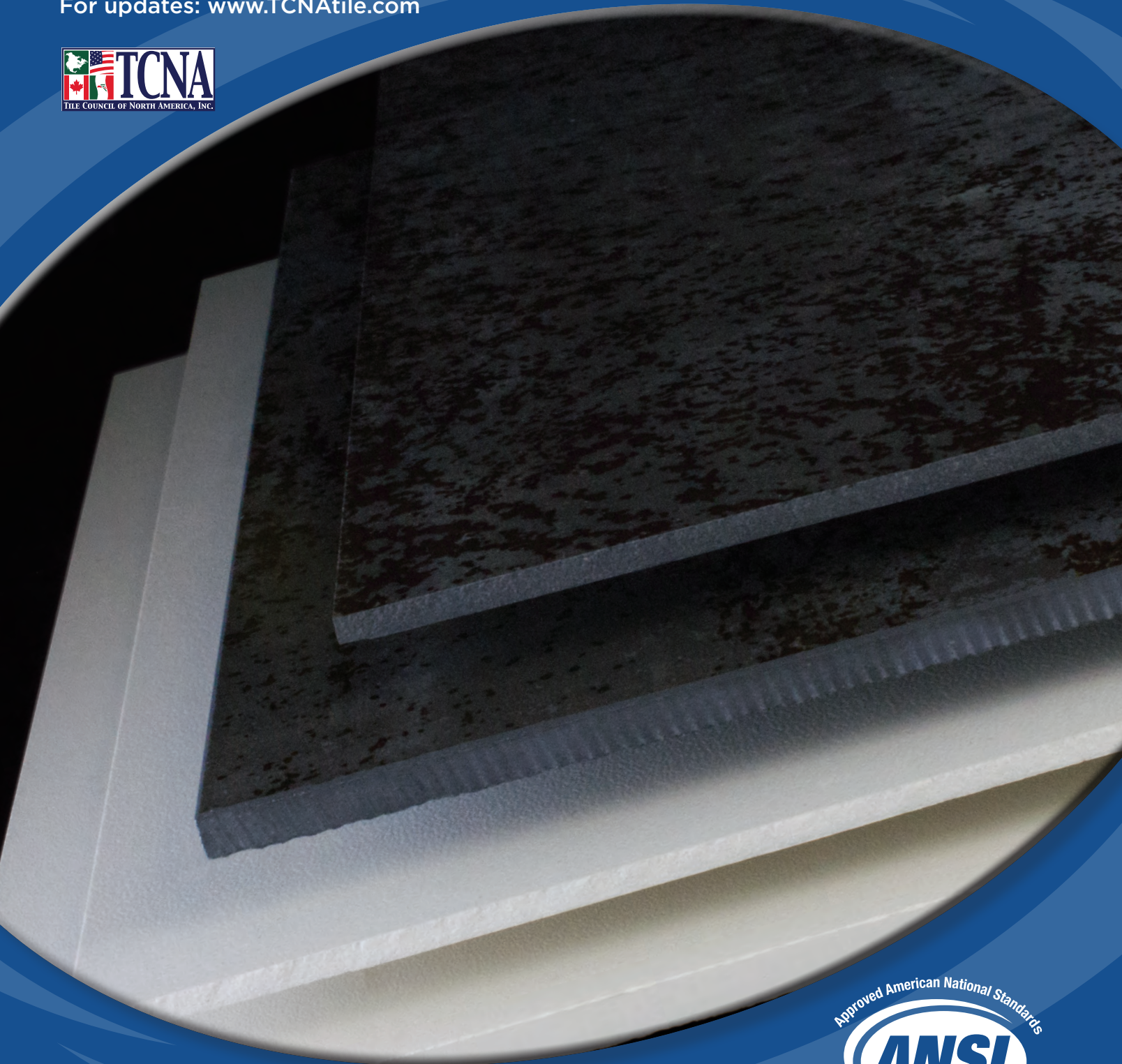


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ANSI A137.3—2017 and A108.19—2020

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# American National Standard Specifications for Gauged Porcelain Tile Panels/Slabs

Material and Installation Standards

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# **American National Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs**

Material and Installation Standards



ANSI A137.3—2017 and A108.19—2020

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# **American National Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs**

## **Material and Installation Standards**

### **Secretariat**

Tile Council of North America, Inc.

### **Approved**

American National Standards Institute, Inc. (ANSI)

### **Abstract**

This publication is a compilation of the voluntary standards for gauged porcelain tiles and gauged porcelain tile panels/slabs. American National Standard A137.3 describes the minimum physical properties and grading procedures for gauged porcelain tiles and gauged porcelain tile panels/slabs manufactured to specific nominal thicknesses. This standard provides quality criteria for buyers, specifiers, installers, manufacturers, and the public in general. American National Standard A108.19 provides interior installation procedures and requirements for installing gauged porcelain tiles and gauged porcelain tile panels/slabs. These standards are intended to be referenced or included in the gauged tiles and gauged tile panels/slabs sections of project specifications and contracts. Other American National Standards referenced within these standards are published separately.



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## Foreword

This foreword is not part of American National Standards A137.3 or A108.19.

American National Standard A137.3 describes the minimum physical properties and grading procedures for gauged porcelain tiles and gauged porcelain tile panels/slabs manufactured to specific nominal thicknesses. American National Standard A108.19 provides interior installation procedures and requirements for installing gauged porcelain tiles and gauged porcelain tile panels/slabs. These standards 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 these standards, producers of gauged porcelain tile and gauged porcelain tile panels/slabs made in conformance with A137.3 are encouraged individually to indicate such conformance in advertising, promotion, and labeling.

## ASC A108 Committee Members

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.

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**ANSI  
A137.3**

**American National Standard Specifications  
for Gauged Porcelain Tiles and Gauged  
Porcelain Tile Panels/Slabs—2017**



## ANSI A137.3

# American National Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs—2017

### 1.0 Purpose

These specifications serve as a reference standard for buyers, specifiers, installers, building owners, and users of gauged porcelain tiles and gauged porcelain tile panels/slabs (hereafter referred to as “tiles” and “tile panels/slabs”). These specifications are also a reference standard for producers in the manufacture of such products.

### 2.0 Scope

These specifications describe the minimum physical properties of gauged porcelain tiles and gauged porcelain tile panels/slabs and back-layered gauged porcelain tiles and gauged porcelain tile panels/slabs manufactured to a specific nominal thickness. Standard Grade, Second Grade, and Specialty products are specified herein, including their basis for acceptance and methods of testing before and after installation; their marking and certification of same; and the definitions of terms relating to these products.

In this Standard, American and SI measurement units are provided. The value not in parenthesis shall be considered the normative reference, and the value in parenthesis is included for informative reference only.

*This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

### 3.0 Definition of Terms

Definitions from A137.1 for the following apply equally to A137.3, replacing “tile” in A137.1 with “tile or tile panel/slab”:

#### Dynamic Coefficient of Friction (DCOF)

#### Facial Defect

#### Floor Tile

#### Nominal Size

#### Porcelain Tile

#### Sampling

#### Shade or Shade Value

#### Specialty Tile

#### Standard Shade Tile

#### Structural Defects

#### Surface Texture

#### Tile Edge

#### Wall Tile

Additionally, the following definitions apply:

**Back-Layered Gauged Tile or Tile Panel/Slab:** A gauged tile or tile panel/slab with a material, commonly mesh, that has been attached to its back after firing for the purposes of reinforcing. Back-layered material thickness must not exceed 20% of the tile or tile panel/slab’s thickness.

**Gauged Tile or Tile Panel/Slab:** A tile or tile panel/slab that has been manufactured to a specific nominal thickness, and whose thickness characteristic is largely associated with how it is installed and/or used. Gauged tiles and tile panels/slabs can be used in wall or floor applications depending on manufacturer’s recommendations.

**Nominal Thickness:** This is the approximate thickness of a tile or tile panel/slab, expressed by the manufacturer in millimeters to the nearest tenth for general reference.

**Tile:** A ceramic surfacing unit, usually relatively thin in relation to facial area, having either a glazed or unglazed face