~~Designation:C410–10~~ Designation: C410 – 11

Standard Specification for Industrial Floor Brick[1]

This standard is issued under the fixed designation C410; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

~~1.1This specification covers brick made from clay or shale or mixtures thereof and are suitable for surfacing industrial floors. Ceramic shapes known as quarry tile are not covered by this specification. Four types of industrial floor brick are covered (Note 1):~~

~~1.1.1*Type T*—For use where a high degree of resistance to thermal and mechanical shock is required but low absorption is not required.~~

~~1.1.2*Type H*—For use where resistance to chemicals and thermal shock are service factors but low absorption is not required.~~

~~1.1.3*Type M*—For use where low absorption is required. Brick of this type are normally characterized by limited mechanical (impact) shock resistance but are often highly resistant to abrasion.~~

~~1.1.4*Type L*—For use where minimal absorption and a high degree of chemical resistance are required. Brick of this type are normally characterized by very limited thermal and limited mechanical (impact) shock resistance but are highly resistant to abrasion.~~

~~NOTE1—*Discussion of Types of Floor Brick*—The four types of brick included in this specification are designed to cover the diverse needs of many industries for floor units. Recognizing that the requirements of primary aluminum producers are quite different from those of chemical manufacturers, and similarly, that the need of a builder for brick with which to pave an airport terminal building may vary considerably from those of food processing plants, for example, a minimum of four brick types has been deemed necessary. The factors of modulus of rupture, water absorption, and chemical resistance have been selected as the basis for the classification system.~~

~~1.2Terminology related to industrial floor brick is found in Terminology~~

1.1 This specification covers brick made from clay or shale or mixtures thereof and are suitable for surfacing industrial floors. Ceramic shapes known as quarry tile are not covered by this specification.

1.2 Terminology related to industrial floor brick is found in Terminology C1232.

1.3 *Units*—The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

2. Referenced Documents

2.1 *ASTM Standards:*[2]

C67 Test Methods for Sampling and Testing Brick and Structural Clay Tile

C279 Specification for Chemical-Resistant Masonry Units

C1232 Terminology of Masonry

3. Classification

3.1 Four types of industrial floor brick are covered (Note 1):

3.1.1 *Type T*—For use where a high degree of resistance to thermal and mechanical shock is required but low absorption is not required.

3.1.2 *Type H*—For use where resistance to chemicals and thermal shock are service factors but low absorption is not required.

3.1.3 *Type M*—For use where low absorption is required. Brick of this type are normally characterized by limited mechanical (impact) shock resistance but are often highly resistant to abrasion.

3.1.4 *Type L*—For use where minimal absorption and a high degree of chemical resistance are required. Brick of this type are

[1] This specification is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.02 on Brick and Structural Clay Tile.

~~Current edition approved Aug. 1, 2010. Published September 2010. Originally approved in 1957. Last previous edition approved in 2008 as C410–08. DOI: 10.1520/C0410-10.~~

Current edition approved Dec. 15, 2011. Published January 2012. Originally approved in 1957. Last previous edition approved in 2010 as C410 – 10. DOI: 10.1520/C0410-11.

[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

***A Summary of Changes section appears at the end of this standard.**