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**CSA A82:14**  
National Standard of Canada  
*(reaffirmed 2018)*



# Fired masonry brick made from clay or shale



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REVISED MARCH 2015

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**CSA A82:14, Fired masonry brick made from clay or shale**

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## **CSA A82:14** ***Fired masonry brick made from clay or shale***



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# Contents

Technical Committee on Brick and Hollow Tile	5
Preface	7
<b>0 Introduction</b>	<b>8</b>
<b>1 Scope</b>	<b>8</b>
<b>2 Reference publications</b>	<b>9</b>
<b>3 Definitions</b>	<b>10</b>
<b>4 Materials</b>	<b>11</b>
4.1 General	11
4.2 Materials other than clay or shale	11
<b>5 Grades</b>	<b>11</b>
<b>6 Types</b>	<b>11</b>
<b>7 Freeze-thaw durability</b>	<b>12</b>
7.1 Establishing the grade of brick	12
7.2 Exterior Grade (EG)	12
7.2.1 Acceptance criteria	12
7.2.2 Absorption testing	12
7.2.3 Freeze-thaw testing	12
7.3 Interior grade (IG)	13
<b>8 Finish</b>	<b>13</b>
8.1 Surface colour	13
8.2 Surface treatments	13
8.3 Surface defects	13
8.4 Texture and colour	14
<b>9 Specialty brick</b>	<b>14</b>
<b>10 Dimensional</b>	<b>14</b>
10.1 Measurement	14
10.2 Size	14
10.3 Warpage	14
10.4 Out-of-square	14
<b>11 Coring, frogging, and webs</b>	<b>15</b>
11.1 Cores and cells	15
11.2 Frogs	15
11.3 Web thickness	15

<b>12</b>	<b>Sampling of specimens</b>	<b>15</b>
12.1	General	15
12.2	Number of specimens	15
12.3	Retesting	15
12.4	Preparation of specimens	16
12.4.1	Half-brick specimens	16
12.4.2	Identification	16
12.4.3	Cleaning	16
12.5	Drying	16
12.6	Cooling	16
<b>13</b>	<b>Compressive strength test</b>	<b>16</b>
13.1	Test specimens	16
13.1.1	Number of specimens	16
13.1.2	Size of test specimens	17
13.1.3	Specimen orientation	17
13.1.4	Area	17
13.2	Calculation of areas	17
13.2.1	Apparatus and measurement	17
13.2.2	Gross area	17
13.2.3	Net area	17
13.3	Capping	17
13.4	Loading procedure	18
13.5	Speed of testing	18
13.6	Calculation and reporting of compressive strength	19
13.6.1	Calculation	19
13.6.2	Reporting	19
<b>14</b>	<b>Twenty-four-hour cold water and five-hour boiling water absorption tests</b>	<b>19</b>
14.1	Twenty-four-hour cold water absorption test	19
14.1.1	Test specimens	19
14.1.2	Apparatus	19
14.1.3	Procedure	19
14.1.4	Calculation and reporting of 24 h cold water absorption	20
14.2	Five-hour boiling water absorption test	20
14.2.1	Test specimens	20
14.2.2	Procedure	20
14.2.3	Calculation and reporting of 5 h boiling water absorption	21
14.2.4	Saturation coefficient	21
<b>15</b>	<b>Freeze-thaw performance test</b>	<b>21</b>
15.1	Test specimens	21
15.2	Apparatus	22
15.2.1	Freezing chamber	22
15.2.2	Trays	22
15.2.3	Supports	22
15.2.4	Apparatus	22
15.2.5	Thawing tank	22
15.3	Procedure	22

- 15.3.1 Drying and cooling 22
- 15.3.2 Determining mass 22
- 15.3.3 Submersion 23
- 15.3.4 Exposure to freezing 23
- 15.3.5 Thawing 23
- 15.3.6 Duration of test 23
- 15.3.7 Interruptions in the test schedule 23
- 15.3.8 Final drying and cooling 23
- 15.4 Calculation and reporting of loss of mass due to freezing and thawing 23
- 15.4.1 Calculation 23
- 15.4.2 Reporting 23

## **16 Initial rate of absorption test 24**

- 16.1 Test specimens 24
- 16.2 Apparatus 24
- 16.2.1 Tray 24
- 16.2.2 Supports 24
- 16.2.3 Water level control 24
- 16.2.4 Apparatus 24
- 16.2.5 Constant-temperature room 24
- 16.2.6 Timing device 24
- 16.3 Procedure 24
- 16.3.1 Measurement of bed face and initial determination of mass 24
- 16.3.2 Placement of tray 24
- 16.3.3 Placement of specimens 25
- 16.3.4 Redetermination of mass 25
- 16.4 Calculation and reporting 25

## **17 Efflorescence test 25**

- 17.1 Test specimens 25
- 17.2 Trays 25
- 17.3 Procedure 26
- 17.3.1 Placement of specimens 26
- 17.3.2 Reference specimens 26
- 17.3.3 Drying 26
- 17.4 Examination and rating 26

## **18 Size measurement 26**

- 18.1 Specimens 26
- 18.2 Apparatus 26
- 18.3 Procedure 26
- 18.4 Calculation and reporting 27

## **19 Wa. page measurement 27**

- 19.1 Specimens 27
- 19.2 Apparatus 27
- 19.3 Procedure 27
- 19.4 Reporting 27

**20 Out-of-square measurement 27**

20.1 Specimens 28

20.2 Apparatus 28

20.3 Procedure 28

20.4 Reporting 28

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**Annex A (informative) — General information 33****Annex B (informative) — Commentary on brick properties, durability, and use 34**

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# Preface

This is the second edition of CSA A82, *Fired masonry brick made from clay or shale*. It supersedes the previous edition published in 2006.

This Standard's technical content is similar to that of ASTM C67, *Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile*; ASTM C216, *Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)*; and ASTM C652, *Standard Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)*.

Where a number of samples are indicated in the Standard, this constitutes the minimum number required for the purpose specified.

This Standard was prepared by the Technical Committee on Brick and Hollow Tile, under the jurisdiction of the Strategic Steering Committee on Masonry and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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  - c) *wording of the proposed change; and*
  - d) *rationale for the change.*

# CSA A82:14

## *Fired masonry brick made from clay or shale*

### 0 Introduction

The first CSA standard on building brick was published in 1935 under the designation CSA A36, *Standard dimensions for building brick*. In 1944, the standard was revised and redesignated as the CSA A82 Series (CSA A82.1 to CSA A82.6) on brick and hollow tile. The complete series was revised in 1954 and a new standard for facing brick was included. In 2006, the three remaining standards [CSA A82.1 *Burned clay brick (solid masonry units made from clay or shale)*; CSA A82.2 *Methods of sampling and testing brick*; and CSA A82.8 *Hollow clay brick*] were replaced with the consolidated CSA A82 *Fired masonry brick made from clay or shale*.

### 1 Scope

#### 1.1

This Standard applies to brick made from fired clay or shale that are intended for use as structural and/or facing components in masonry. It includes testing and other requirements pertaining to freeze-thaw durability, finish, texture, colour, compressive strength, absorption, efflorescence, size, warpage, and out-of-square.

**Note:** See Annex A for information on brick availability, durability of finish, and ordering. Annex B provides commentary on brick properties, durability, and use. For masonry of fired brick designed in accordance with CSA S304, see Clause B.8.3.

#### 1.2

This Standard does not specify requirements for clay paving brick, thin brick, or glazed brick.

#### 1.3

This Standard specifies requirements for two grades of brick — EG (Exterior Grade) and IG (Interior Grade), and three types of brick — Type S, Type X, and Type A. Brick may be solid, cored, or hollow.

#### 1.4

Although this Standard provides test methods for initial rate of absorption (Clause 16) and efflorescence (Clause 17), these characteristics are not used as qualifying conditions for determining compliance of brick with this Standard.

#### 1.5

Testing of brick removed from in-situ masonry construction is not within the scope of this Standard.

#### 1.6

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that