

ICS 91.100.25
CCS Q 31



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 3810.2-2026

Replacing GB/T 3810.2-2016

**Test methods of ceramic tiles - Part 2: Determination of
dimensions and surface quality**

陶瓷砖试验方法 第2部分：尺寸和表面质量的检验

(English Translation)

Issued on: July 2, 2026

Implemented on: February 1, 2027

Issued by: State Administration for Market Regulation

Table of Contents

Preface	
Introduction	
1 Scope	
2 Normative References	
3 Terms and Definitions	
4.1 Instruments	
4.2 Sample	
4.3 Step	
4.4 Results Representation	
4.5 Test Report	
5 Thickness measurement 6.	
5.1 Instruments	
5.2 Sample	
5.3 Step	
5.4 Results Representation	
5.5 Test Report	
6 Measurement of side straightness	
6.1 Calculation	
6.2 Instruments	
6.3 Sample	
6.4 Step	
6.5 Test Report	
7 Measurement of right angle 8.	
7.1 Calculation	
7.3 Sample	
7.4 Step	
7.5 Test Report	
8 Measurement of flatness 9.	
8.1 Instruments	
8.2 Sample	
8.3 Step	
8.4 Results indicate	

8.5 Test Report

9 Measurement of convex and concave surfaces 10.

10 Measurement of the difference in length of opposite sides and the difference in length of diagonals.

11 Surface quality

11.1 Surface defects and human effects

11.2 Instrument

11.3 Sample

11.4 Step

11.5 The result indicates

11.6 Test Report

Appendix A (Informative) Structure Numbering Comparison Table

1 Scope 1

2 Normative References 1

3 Terms and Definitions 1

4.1 Instruments 5

4.2 Sample 5

4.3 Step 5

4.4 Results Representation 5

4.5 Test Report 5

5.Thickness measurement 6.

5.1 Instruments 6

5.2 Sample 6

5.3 Step 6

5.4 Results Representation 6

5.5 Test Report 6

6 Measurement of side straightness

6.1

Calculation 6

6.2

Instruments 7

6.3

Sample 7

6.4

Step 7

6.5 Test Report 8

7.Measurement of right angle 8.

7.1 Calculation 8

7.3 Sample 8

7.4 Step 8

7.5 Test Report 9

8.Measurement of flatness 9.

8.1 Instruments 9

8.2 Sample 9

8.3 Step 9

8.4 Results indicate 9

8.5 Test Report 10

9.Measurement of convex and concave surfaces 10.

10.Measurement of the difference in length of opposite sides and the difference in length of diagonals.

11 Surface quality 10

11.1 Surface defects and human effects 10

11.2 Instrument 10

11.3 Sample 10

11.4 Step 11

11.5 The result indicates 11

11.6 Test Report 11

Appendix A (Informative) Structure Numbering Comparison Table 12

This document conforms to GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting is scheduled.

This document is Part 2 of GB/T 3810 "Test Methods for Ceramic Tiles". GB/T 3810 has already published the following parts.

- Part 1: Sampling and Acceptance Conditions;
- Part 2: Inspection of dimensions and surface quality;
- Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density;
- Part 4: Determination of fracture modulus and breaking strength;
- Part 5: Determining the impact resistance of bricks using the coefficient of restitution;
- Part 6: Determination of the wear resistance depth of unglazed tiles;
- Part 7: Determination of the abrasion resistance of glazed tile surfaces;
- Part 8: Determination of linear thermal expansion;
- Part 9: Determination of thermal shock resistance;
- Part 10: Determination of Moisture Swelling;
- Part 11: Determination of the resistance of glazed tiles to glaze cracking;
- Part 12: Determination of freeze resistance;
- Part 13: Determination of chemical resistance;
- Part 14: Determination of stain resistance;
- Part 15: Determination of lead and cadmium leaching from ceramic tiles;
- Part 16: Determination of small color differences;
- Part 20: Determination of deflection in the calculation of the radius of curvature of ceramic tiles.

This document replaces GB/T 3810.2-2016 "Test Methods for Ceramic Tiles - Part 2: