

# Operation Directions Governing the Inspection of Exterior Tiles

Adopted and promulgated by Ministerial Order No. 10920007440, BSMI, MOEA on 26 November 2021.

Amended and promulgated by Ministerial Order No. 11430014570, BSMI, MOEA on 1 August 2025.

1. These Directions are stipulated by the Bureau of Standards, Metrology and Inspection (BSMI) for implementing the inspection of exterior tiles.
2. Scope of inspection: Exterior tiles, whether imported or domestically produced, excluding the following:
  - (1) Those that are imported or produced for the purpose of restoration or reuse of monuments, historic buildings, commemorative buildings, and groups of buildings, as well as for construction or facilities within historic sites or cultural landscapes, in order to preserve the cultural heritage value and original appearance;
  - (2) Those with a length exceeding 605 mm on any side, or that adopt a construction method other than paving, such as locking, systematic steel grid fixation, reinforced steel grid fixation, etc.; or
  - (3) Those with a thickness of less than 3 mm, classified as large-size, thin-layer decorative materials, used as interior wall tiles or for counter doors.
3. Inspection Scheme: Registration of Product Certification (Module II-Type Test + Module VII-Factory Inspection).
4. Inspection Standards and Items: In accordance with CNS 9737 Ceramic tiles, the inspection covers “shape and height of back feet” and “modulus of rupture.” In addition, in accordance with clauses 8.1 to 8.3.1 of CNS 9737, the “Chinese labeling” will be examined.
5. Requirements for Registration of Product Certification (RPC):
  - (1) Principles of Type Determination:
    - a. Same Type: Products belonging to the same category, having the same maximum surface area (Appendix 1) and manufactured by the same producer.
    - b. Main Type: Among products of the same type, those produced using either the wet or dry forming process and selected as the main type.
    - c. Series of Type: Among products of the same type, those not selected as the main type.
  - (2) Sampling principles for Type Test: One piece each shall be sampled from the main type and the type with the largest surface area in each category within the series.
  - (3) Type Test Items:
    - a. Main Type: Same as Clause 4.
    - b. Series of Type: Same as Clause 4.

The items specified in Clause 4 shall be tested for both the main type and series of type.

  - (4) The applicant applying for type test shall submit the following documents in triplicate, along with the samples, to the BSMI, the Hsinchu Branch of BSMI or a BSMI-designated testing laboratory for testing:
    - a. Type classification table (Appendix 2);
    - b. List of product components and materials;
    - c. Color photos of the product, 3x5 inches or larger (or, alternatively, the manufacturer’s color catalog);
    - d. Summary of the production processes;

- e. Samples of the Chinese labels (including a test report on “water absorption” issued by a third-party testing laboratory);
  - f. Samples (ten pieces for each type, including outer packaging).
- (5) The applicant for RPC certificates shall submit the type test reports, copies of the factory inspection reports issued by the BSMI or inspection bodies recognized by the BSMI and other required documents to the BSMI or its branches.
- (6) Upon the grant of RPC certificates, the obligatory inspection applicant shall affix the Commodity Inspection Mark, consisting of the letter “R” and an identification number, to the smallest packaging unit of the product, under their own responsibility.
- (7) If there are changes to the product scope listed on the RPC certificate, the applicant shall apply to the BSMI or its competent branch for a replacement certificate by submitting a new type test report from the original issuing laboratory.
6. The type test report may be replaced by a test report issued under the CNS Mark Certification System, provided that the report was issued within two years prior to the RPC application, and that the samples were drawn in accordance with the sampling principle stated in Clause 5.2. One CNS Mark test report may be used to replace the type test report for only one main type or one series of type.

## Appendix 1

Categories of Maximum Surface Area	
1	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of less than 7 cm.
2	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 7 cm or more but less than 41 cm.
3	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 41 cm or more but less than 61 cm.
4	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 61 cm or more but less than 81 cm.
5	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 81 cm or more but less than 121 cm.
6	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 121 cm or more but less than 181 cm.
7	The maximum surface area of the product, regardless of its shape, can be fully covered by a square with a side length of 181 cm or more but less than 241 cm.

## Appendix 2

### Type Classification Table of Products

[Applicable to Exterior Tiles]

Applicant: \_\_\_\_\_ Date : \_\_\_\_\_ (YYYY/MM/DD)

Tel: \_\_\_\_\_ Address: \_\_\_\_\_

Email Address or Fax: \_\_\_\_\_

#### 1. Product information:

(1) CCC Code (Standard Classification of Commodity Code): \_\_\_\_\_

(2) Chinese name: \_\_\_\_\_

(3) English name: \_\_\_\_\_

(4) Inspection standard: \_\_\_\_\_

(5) Production premises and country: \_\_\_\_\_

(6) Type test laboratory: \_\_\_\_\_

#### 2. Type classification

(1) Same Type: Products belonging to the same category, having the same maximum surface area and manufactured by the same producer.

(2) Main Type: Among products of the same type, those produced using either the wet or dry forming process and selected as the main type.

(3) Series of Type: Among products of the same type, those not selected as the main type.

##### Main Type

Main Type	Category of the maximum surface area	Forming Processes	Remarks

##### Series of Type

Series of Type	Category of the maximum surface area	Forming Processes	Remarks

### 3. Checklist of technical document:

The following documents shall be submitted in triplicate for each product when the application for type approval is made.

- ☐ List of product components and materials (including specifications, parts, materials and sizes);
- ☐ Color photos of the product, 3x5 inches or larger (or, alternatively, the manufacturer's color catalog);
- ☐ Summary of the production processes;
- ☐ Samples of the Chinese labels (including a test report on "water absorption" issued by a third-party testing laboratory);
- ☐ Samples (ten pieces for each type, including outer packaging).