

Directions Governing the Inspection Procedure for Exterior Tiles

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

1. These Directions are hereby stipulated for implementing the inspection of exterior tiles.
2. Scope of inspection: exterior tiles imported and domestically-produced, excluding the followings:
 - (1) Those that are imported or produced for purpose of restoration or reuse of monuments, historic buildings, commemorative buildings and groups of buildings, as well as of construction or facilities within historic sites or cultural landscapes, in order to preserve the value of cultural heritage and original appearance;
 - (2) Those with a length over 605 mm in each side and those adopting a construction method other than paving, such as locking, systematic steel grid fixation, reinforced steel steel grid fixation, etc.; or
 - (3) Those with a thickness of less than 3 mm, large-size, thin-layer decorative materials, and serving as interior wall tiles or applying to counter doors.
3. Inspection Scheme: Registration of Product Certification (Module II-Type Test + Module VII-Factory Inspection).
4. Inspection Standards and Inspection Items:
 - (1) Inspection Standards: CNS 9737:2016 "Ceramic tiles."
 - (2) Inspection Items: "shape and height of back feet," "modulus of rupture," and Chinese labeling stated in Clauses 9.1 to 9.3.
5. Requirements for Registration of Product Certification (RPC):
 - (1) Principles of Type Determination:
 - a. Same Type: product of the same category in its maximum surface area (please refer to the Appendix) and the same manufacture.
 - b. Main Type: Among products of the same type, selection either wet or dry forming process as the main type.
 - c. Series of Type: Among products of the same type, those other than the main type.
 - (2) Sampling principles for Type Test: one piece each from the main type and series of type having the largest surface area in each category.
 - (3) Type Test Items: the items stated in Clause 4 shall be tested for the main type and series of type.
 - (4) The applicant applying for type test shall submit the following documents in triplicate as well as the samples to the BSMI, the Hsinchu Branch of BSMI or BSMI designated testing laboratories for performing the test:
 - a. Type classification table.
 - b. List of product components and materials.
 - c. 3x5 inch or larger-sized color photos of the product (or as an alternative, 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 the outer packaging).
- (5) The applicant applying for RPC certificates shall make the application to the BSMI or its branches by submitting 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.
 - (6) Upon the grant of RPC certificates, the obligatory inspection applicant shall affix the Commodity Inspection Mark, which is composed of a letter "R" and an identification number, to the smallest packaging unit of the product on its own responsibility.
 - (7) If there are changes to the scope of the products listed in the RPC certificate, an application shall be made to the BSMI or its branch having jurisdiction over the applicant for a replaced certificate by submitting a new type test report from the original report issuance testing laboratory.
6. The type test report may be replaced by a test report under the CNS Mark Certificatoin System of which the issuance date shall be within one year of the RPC application, under the condition that the tested samples are drawn following the same principle stated in Clause 5.2. One CNS Mark test report can be only used to replace the type test report for one main type or one series of type.

Appendix

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 and 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 and 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 and 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 and 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 and 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 and less than 241 cm.

Type Classification Table of Products

[Applicable to Exterior Tiles]

Applicant: _____ Date: _____(YYYY/MM/DD)

Tel: _____ Address: _____

E-mail 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: product of the same category in its maximum surface area (please refer to the Appendix) and the same manufacture.

(2) Main Type: Among products of the same type, selection either wet process or dry process as the main type.

(3) Series of Type: Among products of the same type, those other than 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 documents:

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

- List of components and materials of the product (including the specifications, parts, materials and size).
- 3x5 inch or larger-sized color photos of the product (or as an alternative, 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 the outer packaging).