

**THE MINISTRY OF
CONSTRUCTION**

No. 14/2010/TT-BXD

**SOCIALIST REPUBLIC OF VIETNAM
Independence - Freedom - Happiness**

Hanoi, August 20th 2010

CIRCULAR

ON THE QUALITY CONTROL OF TILES

Pursuant to the Law on Product and goods quality No. 05/2007/QH12 dated November 21st 2007 of the National Assembly;

Pursuant to the Government's Decree No. 132/2008/NĐ-CP dated December 31st 2008, detailing the implementation of a number of articles of the Law on Product and goods quality;

Pursuant to the Government's Decree No. 67/2009/NĐ-CP dated August 03rd 2009, amending a number of articles of the Government's Decree No. 127/2007/NĐ-CP dated August 01st 2007 detailing the implementation of a number of articles of the Law on Technical regulations and standards and the Government's Decree No. 132/2008/NĐ-CP dated December 31st 2008;

Pursuant to the Government's Decree No. 17/2008/NĐ-CP dated February 04th 2008, defining the functions, tasks, powers and organizational structure of the Ministry of Construction;

Pursuant to the Circular No. 19/2009/TT-BKHCN dated June 30th 2009 of the Minister of Science and Technology on the measures for quality control applicable to the products and goods that need extra State management before being circulated on the market;

Subject to the requirements for quality control of tiles in order to ensure the safety during the use and construction, the Minister of Construction prescribes

Article 1. Scope of regulation

This Circular prescribes the tile quality control in group 2 according to the Law on Product and goods quality, including the list of tiles with requirements for quality and safety, the bases for quality inspection and the quality assurance.

Article 2. Subjects of application

This Circular is applicable to the Vietnamese manufacturers, traders, importers, and State management agencies related to tiles in Vietnam.

Article 3. The list of tiles with requirements for safety and quality assurance, and the bases for quality inspection

1. The list of tiles with requirements for quality and safety, the corresponding bases for quality inspection and the quality assurance are provided in the list of tiles with requirements for safety and quality assurance in Annex 1 (hereinafter referred to as the List) promulgated together with this Circular.

2. The quality of tiles imported and produced at home in column 1 of the list must be conformable with the corresponding provisions in column 2, column 3, and column 4 of the list.

Article 4. The quality control of tiles

1. The quality control of tiles produced at home:

a) Domestic organizations and individuals that produce tiles specified in column 1 of the List must announce the conformity of the quality with Clause 2 Article 3 of this Circular (hereinafter referred to as conformity announcement)

b) The domestic manufacturers must have an unexpired quality control system conformable with TCVN ISO 9001/ISO 9001.

c) The tiles produced at home specified in column 1 of the List, apart from the conformity announcement, must be issued with the certificate of quality in accordance with Point dd this Clause, carried out by an appropriate assessing organization appointed by the Ministry of Construction (hereinafter referred to as conformity certification)

d) The conformity announcement of the tiles produced at home is founded on one of the following 2 bases:

- The internal assessment results of the domestic manufacture of about the goods quality in accordance with Clause 2 Article 3 of this Circular on the basis of the test results of the laboratory of a conformity-assessing organization appointed by the Ministry of Construction;
- The results of the test on the samples of a batch of goods in accordance with Clause 2 Article 3 of this Circular, carried out by a conformity-assessing organization appointed by the Ministry of Construction.

dd) The requirements for certifying the conformity of tiles produced at home:

- The written conformity announcement prescribed in Point a this Clause;
- The copy of an unexpired certificate of the conformity of the quality control system of the manufacturer with TCVN ISO 9001/ISO 9001;
- The results of the test on the samples of a batch of goods in accordance with Clause 2 Article 3 of this Circular, carried out by a conformity-assessing organization appointed by the Ministry of Construction.

2. The quality control of imported tiles:

a) When importing the tiles in column 1 of the List, the importer must announce the conformity of the quality with Clause 2 Article 3 of this Circular (conformity announcement)

b) The stamp of conformity must be fixed on the products, their packages, and their documents issued by the conformity-certifying organization.

c) The importer must provide the following documents to the customs at the border-gate:

- The copy of an unexpired certificate of the conformity of the quality control system of the manufacturer with TCVN ISO 9001/ISO 9001;
- The conformity certificate and the results of the test on the samples of a consignment of tiles at the border-gate in accordance with Clause 2 Article 3 of this Circular, carried out by a conformity-assessing organization appointed by the Ministry of Construction.

d) The conformity announcement of imported tiles is founded on one of the following 2 bases:

- The internal assessment results of the importer about the goods quality in accordance with Clause 2 Article 3 of this Circular on the basis of the test results of the laboratory of a conformity-assessing organization appointed by the Ministry of Construction;

- The results of the test on the samples of the consignment of tiles at the border-gate in accordance with Clause 2 Article 3 of this Circular, carried out by a conformity-assessing organization appointed by the Ministry of Construction.

dd) The requirements for certifying the conformity of imported tiles:

- The written conformity announcement prescribed in Point a this Clause;
- The copy of an unexpired certificate of the conformity of the quality control system of the manufacturer with TCVN ISO 9001/ISO 9001;
- The results of the test on the samples of the consignment of tiles at the border-gate in accordance with Clause 2 Article 3 of this Circular, carried out by a conformity-assessing organization appointed by the Ministry of Construction.

e) The tiles in column 1 of this List being supplied to the domestic market by the enterprises in export processing zones are subject to the provisions on quality control similarly to imported tiles.

3. Provisions on sampling:

- The samples for testing and assessing the conformity must be objectively taken, and able to represent the products of the same kind. The samples taken must be sealed and certified by the representative of the enterprise and the representative of the conformity-assessing organization appointed by the Ministry of Construction. The samples of imported tiles must also be certified by the customs at the importing border-gate.
- The volume of the batch must not exceed 1,500 m².
- The quantity of samples being taken from each batch is provided in column 4 of the List.

4. The list of conformity-assessing organizations appointed by the Ministry of Construction to test, assess, and certify the conformity of the tile quality is provided in Annex 2 promulgated together with this Circular, and shall be updated on the website of the Ministry of Construction.

Article 5. Implementation organization

1. The Department of Science, Technology, and Environment – The Ministry of Construction is the focal point that assists the Ministry of Construction in managing the operation of organizations that assess the conformity of tile quality as prescribed.

2. The Department of Building materials – The Ministry of Construction is the focal point that assists the Ministry of Construction in cooperating with the Services of construction of central-affiliated cities and provinces and relevant functional agencies in organizing the quality control in the production, sale, and import of tiles, in inspecting and supervising the implementation of this Circular.

3. The Vietnamese manufacturers, traders, and importers of tiles are responsible for implementing this Circular.

4. This Circular takes effect after 45 days as from the date of its signing.

5. Organizations and individuals are recommended to send feedbacks on the difficulties arising during the course of implementation to the Ministry of Construction for guidance and amendment./.

**FOR THE MINISTER
DEPUTY MINISTER**

Nguyen Tran Nam

ANNEX 1

LIST OF TILES WITH REQUIREMENTS FOR SAFETY AND QUALITY ASSURANCE,
AND THE BASES FOR QUALITY INSPECTION
(Promulgated together with the Circular No. 14/2010/TT-BXD dated August 20th 2010, on the
quality control of tiles)

Product name	Bases for quality inspection		
	Quality norms	National Standard about specifications	National Standard about test methods
(1)	(2)	(3)	(4)
1. Dry pressed ceramic tiles, comprising: - <i>Ceramic tiles (glazed);</i> - <i>Granite ceramic tiles or artificial granite (glazed or unglazed)</i> - <i>Dry pressed mosaic ceramic tiles;</i> - <i>Dry pressed cotto tiles.</i>	1. Variations in dimension, shape, and surface quality	TCVN 7745 : 2007 - Dry pressed ceramic tiles - Specifications	TCVN 6415-1÷18 : 2005 – Ceramic tiles – Test methods (using the corresponding methods) Sample quantity: 10 tiles and at least 2 m ² .
	2. Absorbency		
	3. Flexural strength		
	4. Resistance to deep abrasion (for unglazed tiles)		
	5. Abrasion resistance of enamel (for glazed tiles)		
	6. Coefficient of linear thermal expansion		
	7. Coefficient of moisture expansion		
2. Extruded ceramic tiles, comprising: - <i>Cotto tiles (1-layer or 2-layer, glazed or unglazed)</i> - <i>Extruded mosaic ceramic tiles.</i>	1. Variations in dimension, shape, and surface quality	TCVN 7483 : 2005 - Extruded ceramic tiles - Specifications	TCVN 6415-1÷18 : 2005 Ceramic tiles – Test methods (using the corresponding methods) Sample quantity:
	2. Absorbency		
	3. Flexural strength		
	4. Resistance to deep abrasion (for unglazed tiles)		
	5. Abrasion resistance of enamel (for glazed tiles)		
	6. Coefficient of linear		

	thermal expansion		10 tiles and at least 2 m ² .
	7. Coefficient of moisture expansion		
3. Artificial stone slabs based on organic binders	1. Absorbency	TCVN 8057 : 2009 “Artificial stone slabs based on organic binders”	TCVN 8057 : 2009 “Artificial stone slabs based on organic binders” (using the corresponding methods) Sample quantity: 05 slabs or tiles.
	2. Flexural strength		
	3. Scratch hardness		
	4. Resistance to deep abrasion		
4. Terrazzo tiles	1. Absorbency	TCVN 7744 : 2007 “Terrazzo tiles”	TCVN 7744 : 2007 “Terrazzo tiles” (using the corresponding methods) Sample quantity: 05 tiles.
	2. Flexural strength		
	3. Scratch hardness		
	4. Resistance to deep abrasion		
5. Natural stone facing slabs, comprising: - <i>Granite facings</i> - <i>Marble facings</i> - <i>Limestone or calcite facings</i>	1. Flexural strength	TCVN 4732 : 2007 “Natural stone facing slabs”	TCVN 4732 : 2007 “Natural stone facing slabs” (using the corresponding methods) Sample quantity: 05 samples 100x200 (mm)
	2. Scratch hardness		
	3. Resistance to deep abrasion		

ANNEX 2

LIST OF ORGANIZATIONS APPOINTED BY THE MINISTRY OF CONSTRUCTION TO ASSESS THE CONFORMITY OF TILE QUALITY

(Promulgated together with the Circular No. 14/2010/TT-BXD dated August 20th 2010, on the quality control of tiles)

No.	Name of conformity-assessing organizations	Address
1	The Vietnam Institute for Building Material – The Ministry of Construction	- No. 235, Nguyen Trai street, Thanh Xuan District, Hanoi. - Branch: No. 129A Tran Nao street, District 2, Ho Chi Minh city.

2	The Quality Assurance and Testing Center 3 - the Directorate for Standards, Metrology, and Quality – the Ministry of Science and Technology	- No. 49 Pasteur street, District 1, Ho Chi Minh city.
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