

Eco Mark Product Category No.123

“Building Products (Materials) Version2.0” Certification Criteria (draft)

Applicable Scope

- A. Materials for concrete work (scheduled)
- B. Materials for concrete blocks, ALC panels, and extruded cement boards (scheduled)
- C. Materials for waterproofing work
- D. Materials for masonry
- E. Materials for woodwork
- F. Materials for roofing and gutter work (scheduled)
- G. Materials for plastering work (scheduled)
- H. Materials for joiner's work
- I. Materials for carpentry
- J. Materials for curtain and related works (scheduled)
- K. Materials for unit and other works (scheduled)
- L. Materials for drainage work (scheduled)
- M. Materials for exterior finish work (scheduled)
- N. Materials for exterior facility work (scheduled)

Established: May 1, 2007 (scheduled)

Term of validity: April 30, 2012

Japan Environment Association

Eco Mark Office

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

Eco Mark Product Category No.123 “Building Products (Materials) Version2.0”
Certification Criteria (Draft)

Category D-1 Artificial Stone

Japan Environment Association
Eco Mark Office

1. Applicable Scope

- Japan Industrial Standard JIS A 5411 “Terrazzo” (when used as a wall material, a floor material or otherwise as a building material)

A natural stone-like artificial material which is produced by mixing cement with stone chips, letting it harden and then giving surface treatment. A terrazzo that uses freshly collected natural stones as chips shall be excluded.

- Products that are made by recycling of used natural stones and/or off-cut of natural stones

Note 1. “Tile, brick and concrete slab” shall fall under Eco Mark Product Category No.109 “Tile and block.”

Note 2. “Imitation stone” shall fall under Eco Mark Product Category No.131 “Civil engineering products.”

Note 3. Anything that is categorized as an “imitation rock” shall be excluded.

2. Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

(1) The Product shall contain any or all of the recycled chip materials listed in Table 1 either alone or in combination and the content of such recycled materials shall be no less than 50% of the total mass of the Product.

Table 1 Recycled chip materials

Recycled chip materials
Used natural stone
Off-cut of natural stone
Gypsum (including gypsum generated at desulphurization plant)
Glass
Plastic

[Certification Procedure]

The Applicant shall fill in the names of recycled materials and their respective contents on the Attached Certificate form and submit it together with the raw materials certifications issued by the respective raw material suppliers.

(2) The Product shall conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 2 of the enforcement regulation of the Soil Contamination Countermeasures Law (2002 Ministerial Order No. 29 of the Ministry of the Environment) with respect to cadmium, lead, hexavalent chromium, arsenic, mercury, selenium, fluorine, and boron among the specified hazardous substances listed therein. Provided however this criteria does not apply to any Products that only consist of used natural stone. Provided, however, elusion tests for cadmium, lead, arsenic, and total mercury may be omitted to the extent that no detection has been confirmed by the composition analysis test stipulated in 4-1.(3) herein below.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria and submit it together with a document certifying the results of tests conducted by an independent testing organization or by a public body.

(3) The Product shall conform to the standards concerning the contents in the Product of hazardous substances that are set forth in Attached Table 3 of the enforcement regulation of the Soil Contamination Countermeasures Law (2002 Ministerial Order No. 29 of the Ministry of the Environment) with respect to cadmium, lead, arsenic, total mercury and others among the specified hazardous substances listed therein. Provided however this criteria does not apply to any Products that only consist of used natural stone.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria and submit it together with a document certifying the results of tests conducted by an independent testing organization or by a public body.

(4) The Product shall not contain asbestos.

The Product that is made of gypsum board recycled from the waste generated in connection with building demolition shall be made free of products that are known to have contained asbestos, arsenic, or cadmium through the process of sorting and removal. On the subject of specific waste gypsum boards to be eliminated, the Applicant should refer to “On the Inclusion of Asbestos in Gypsum Boards) published by the Gypsum Board Industry Association, “Proper Handling of Hazardous Substances and the Like Associated with Building Demolition and the Like” published by the Construction By-products Recycling Promotion Conference, and other pertinent documents.

No analysis shall be required if the Product is made of gypsum board that is recycled from the waste coming out of the manufacturing process of gypsum board processing plants or generated at a new building construction site, because the recycled material does not contain asbestos.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria or shall show conformance by way of testing. When showing conformance by way of testing, the Applicant shall submit a document certifying the results of tests conducted by a independent testing organization or by a public body. The asbestos content shall be measured in accordance with JIS A 1481 “Measuring Method for Asbestos Content in Building Materials.” Judgment as to the presence of asbestos shall be made pursuant to the Instruction Letter No.0821002 of the Labour Standards Bureau of the Ministry of Health, Labour and Welfare dated August 21, 2006 titled “On the Analysis Method of Asbestos Content in Building Materials” and the Instruction Letter No.0821001 of the said Bureau dated the same day titled “On the Points to Be Noted in Relation to the Analysis Method of Asbestos Content in Building Materials.”

(5) Applicable environmental laws and regulations, pollution prevention agreements and any other requirements shall have been observed in the course of the Product manufacture with respect to air pollution, water contamination, noise, vibration, obnoxious odor, emission of hazardous substances, etc. Provided however this criteria does not apply to any Products that only consist of used natural stone.

[Certification Procedure]

The Applicant shall submit a statement signed by the general manager of the manufacturing site of the Product declaring that all applicable environmental laws and regulations and the like have been observed and no violations or the like have been committed during the five-year period preceding the date of application.

(6) The Product shall be accompanied by a manual relating to installation, use, maintenance, disassembly, and recycling that is available for reading by the builder and the building owner. Provided however this criteria does not apply to any Products that only consist of used natural stone.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria.

(7) The Product shall be again recyclable after use. Alternatively, the discarding and disposal of the Product shall be as easy as those of ordinary products.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria.

2-2. Quality Criteria and Certification Procedure

(8) In case of non-calcined glass-concrete mix, alkali-aggregate reaction inhibition measures shall have been taken pursuant to the Alkali-Aggregate Reaction Inhibition Measures (Ministry of Land, Infrastructure and Transport; August 2002). In the event glass-concrete mix is calcined, is given coating or other made-harmless treatment to render it harmless and then is used in a non-calcined product, no testing is required with regard to possible harm.

[Certification Procedure]

If the Product is non-calcined glass-concrete mix, the Applicant shall submit a report of made-harmless test concerning confirmation of alkali-aggregate reaction and inhibition measures thereof as well as a report explaining such inhibition measures, in accordance with JIS A 1145 (chemical method), JIS A 1146 (mortar bar method) or JIS A 5308 (ready mixed concrete Attachments 7 and 8) pursuant to the Alkali-Aggregate Reaction Inhibition Measures.

In the event glass-concrete mix is calcined, is given coating or other made-harmless treatment to render it harmless and then is used in a non-calcined product, the Applicant shall so state in the Attached Certificate form.

(9) Terrazzo shall conform to JIS A 5411. With respect to other Products, the quality shall have been confirmed based on official quality standards, in-house standards or the like.

[Certification Procedure]

The Applicant shall submit a document certifying the test results and other data to show conformance to the applicable JIS standards, in-house standards or the like. In the event the Product or the manufacturing site of the Product has been certified by JIS or the like, submission of a copy of certificate issued by JIS or the like shall suffice for the aforesaid purpose.

Established (scheduled) (Version 2.0): May 1, 2007

Validity Period: April 30, 2012

The Certification Criteria for the Product Category will be revised when necessary.