

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 I-1 Boards

Japan Environment Association
Eco Mark Office

1. Applicable Scope

<input type="checkbox"/> Wood-based cement board	JIS A 5404
<input type="checkbox"/> Pulp cement board	JIS A 5414
<input type="checkbox"/> Decorative slate for house roof	JIS A 5423
<input type="checkbox"/> Fiber-reinforced cement board	JIS A 5430
<input type="checkbox"/> Rock wool sheathing board	JIS A 5451
<input type="checkbox"/> Gypsum board	JIS A 6901
<input type="checkbox"/> Fiber cement slate	ISO9125

2. Certification Criteria and Certification Procedure

To show conformance to the individual criteria, the Applicant shall submit the respective Attached Certificate forms duly filled in.

In the event re-examination under the present Certification Criteria is sought for a product that is already certified in the Product Category 123 “Building Products Using Recycled Materials” the Recycle Material Certificate issued by the supplier of the recycled material which is one of the procedures to show conformance to the applicable criteria 4-1(1) as well as the certification procedures (2), (3) and 4-2(8) may be substituted by filling in necessary items on the Attached Certificate form and declaring further therein that no alterations have been made to the product already certified.

2-1. Environmental Criteria and Certification Procedure

(1) The Product shall satisfy the corresponding recycled materials ratio*1 specified in below Table 1 with regard to product types.

*1: The ratio of mass of recycled materials against the Product total

[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. With respect to reused/unused wood, the Applicant shall submit the certificate stipulated in Attachment 1.

Table 1 Types of recycle materials and recycled materials ratio

Product name	Recycled materials ratio (%)	Recycled material type
Wood-based cement board	25	Reused/unused wood
Pulp cement board	10	Used paper pulp
Slag cement board	50	Slag
Slag gypsum board	50	Slag, waste gypsum
Gypsum board	50	Waste gypsum
Others	50	Eco-cement

(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, 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.

[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 an 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) 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.

[Certification Procedure]

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

- (6) The Product shall be free of termite control agents, preservatives, or fungicides.

[Certification Procedure]

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

- (7) 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.

[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.

2-2. Quality Criteria and Certification Procedure

- (8) The quality of the Product shall conform to any applicable ISO standards or JIS standards.

[Certification Procedure]

The Applicant shall submit a document certifying the test results and other data to show conformance with the applicable ISO standards or JIS standards. 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.