

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-2 Tatami mat

Japan Environment Association
Eco Mark Office

1. Applicable Scope

Japan Industrial Standard

- | | |
|-------------------------------------------------------------------------|------------|
| <input type="checkbox"/> Straw Tatamidoko and straw sandwich Tatamidoko | JIS A 5901 |
| <input type="checkbox"/> Tatami | JIS A 5902 |
| <input type="checkbox"/> Non straw Tatamidoko | JIS A 5914 |

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 procedure 4-2(10) 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 total mass of straw, reuses/unused wood and recycled plastic materials shall be no less than 80% of the total mass of the Product; provided that Tatami thread, yarn, Tatami hem, Tatami cover, paper and other small-sized attachments shall be excluded for the purpose of calculation. Furthermore, rarely utilized wood that is defined as small diameter wood shall satisfy the forest accreditation requirements listed in Attachment 1 if applicable to a) or b) shown in the definition.

In the event the Product uses as its raw material construction-derived wood that is defined as disassembled architectural wood (wood and woody materials that are generated as waste as a result of building demolition), materials that have received

preservative, termite control or insect repellent treatment shall have been sorted out and removed. The content of hazardous substances in the Product shall satisfy the requirements with respect to hexavalent chromium and arsenic that are listed in Attached Table 3 of the enforcement regulation of the Soil Contamination Countermeasures Law (Ministerial Ordinance of the Ministry of the Environment No. 29 dated December 26, 2002).

In the event the Product Tatamidoko comprises as its main material such foamed polystyrene sheet as corresponds to Type K and Type N defined in JIS A 5914 “3.types,” the criteria can be alternatively that the formulation ratio (mass basis) of recycled plastic materials in the foamed polystyrene sheet shall be no less than 50%.

[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 thinned-out wood and rarely utilized wood, the Applicant shall submit the certificate stipulated in Attachment 1.

In the event building demolition wood is used in the Product, the Applicant shall state in the Attached Certificate form whether termite control agents and the like have been separated and removed or not. Test results and other certificates shall be submitted with respect to the question of inclusion of hazardous substances.

(2) 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.

(3) The Product shall be free of insect repellents, 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.

(4) In the case of any woody material used as a core material shall, with respect to

the question of formaldehyde emission, conform to the applicable JIS A 5905, are rated “F four-stars” under the JIS A 5908, and are outside the scope of regulations set forth by the Minister of Land, Infrastructure and Transport, respectively. Put differently, the Product shall satisfy the numerical criteria of either a) or b) below:

- a) The formaldehyde emission is not more than 0.3 mg/l on average and not more than 0.4 mg/l at maximum, as measured pursuant to JIS A 1460 “Test method for formaldehyde emission of building boards—desiccator method.”
- b) The formaldehyde emission rate is no higher than $5\mu\text{g}/(\text{m}^2\cdot\text{h})$, as measured pursuant to JIS A 1901 “Test method for formaldehyde emission of building materials—small chamber method.”

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria and shall submit a test report or the like.

With respect to the Product which is allowed to indicate “F four-stars” under JIS A 5905 or JIS A 5908, or the Product which is certified as outside the scope of regulations set forth by the Minister of Land, Infrastructure and Transport, submission of a document or the copy certifying that shall suffice for the aforesaid purpose. In the event a board which is Eco Mark certificated is used, filling in the Product name and the Certification number on the Attached Certificate form shall suffice for the aforementioned purpose.

(5) No cadmium, lead, total mercury, chromium, arsenic, selenium or their compounds have been added as recipe formulation components during the fabrication process of plastic material.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether cadmium and the like have been added or not.

(6) In case the Product contains as a formulation component any plastic material that has a halogen in the polymer skeleton or as additive, at least 70% of the plastic part of the Product after use shall be recovered. Furthermore, at least 70% of such recovered plastic part shall be directed to material recycling.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether this criteria applies to the Product or not, and, if affirmative, shall submit a document

ensuring that proper recovery and recycling will be made at the time of Product disposal. This Office reserves the right to ask the Applicant to present reports on the recovery ratio (or to conduct audit) after the conclusion of the license agreement, for which the Applicant assumes the obligation to cooperate.

(7) The Product shall have built-in features for long life including easiness of Tatami cover replacement.

[Certification Procedure]

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

(8) The Product shall be recyclable even after use. Furthermore, attention has been paid to easiness of separation of different materials (core material and the like).

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria. The mode of recycling or separation shall be detailed in the Attached Certificate form (use of drawings and photos to supplement the description is encouraged).

(9) 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

(10) The straw Tatamidoko shall conform to JIS A 5901 with regard to quality, shape, dimensions and the like.

The quality of Tatami shall conform to JIS A 5902.

The non-straw Tatamidoko shall conform to JIS A 5914 with regard to dimensions,

performance and the like.

In case of absence of JIS labeling, the Product shall have been manufactured at a plant accredited by All Japan Tatami Business Cooperative and so indicated by the certifying stamp.

[Certification Procedure]

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