

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-3 Wall paper

Japan Environment Association
Eco Mark Office

1. Applicable Scope

Japan Industrial Standard JIS A 6921 “Wall paper” and its equivalent

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(9) 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 contain as its raw material any of the recycled materials either alone or in combination and the recycled materials ratio shall be no less than 50% of the total mass of the Product (excluding adhesives, printing ink and the like). In the event a recycled material is used for more than one raw material category, furthermore, it shall be used in a ratio against the overall mass of the material at least equal to the recycled material ratio stipulated in Table 1, if the material in question is used in a quantity at least equal to 20% of the total Product mass.

Table 1 Basic formulation ratio of recycled materials

Recycled material type	Recycled material ratio (%)	
	Pre-consumer material	Post-consumer material
Paper (used paper pulp)		50
Plastic (reworked polymer)	50	25
Fiber*1		50
Glass		50

Note 1: Chemically recycled fibers must satisfy the above basic formulation ratio in terms of recycled monomer as monomer quantity.

[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 contain as its recipe formulation component none of the dyestuffs listed in Separate Table 1.

[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 certifications issued by the respective raw material suppliers.

(3) The Product shall contain as its recipe formulation component none of the substances that are regulated by the Japan Printing Ink Makers Association's "Voluntary Restrictions on Printing Ink (a negative list regulation)."

[Certification Procedure]

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

(4) In the case of plastic-based wall paper (a wall paper which is made by forming a plastic coating layer over a surface-treated paper and adding printing, embossing and other processing onto it), polyvinyl chloride resin is used in no more than 100g/m².

[Certification Procedure]

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

- (5) The Product shall satisfy the safety standards of Table 2 below.

Table 2 Safety standards

Substance	Standard	Measuring method
Formaldehyde	No more than 0.01ppm	See <1> below
TVOC	No more than 300 μ g/m ³	See <1> below

<1> Formaldehyde and TVOC

The 1m³ chamber method of CEN/TC264 is employed to measure the emission from Hour 24 through Day 28.

Interior wallpaper samples of size 0.5×0.5m are cut out. Two of them are held together by a clip with reverse sides facing each other, thus made a test piece of area size 1m² in the chamber air (1m³). The test piece is let stay in the chamber for 3 days at temperature 23±0.5°C, relative humidity 45±3% with ventilation once every hour. The VOCs emitted are collected into a Tenax tube and is analyzed by thermal desorption gas chromatography (TD/GC) . Likewise, it is analyzed by the use of formaldehyde (HPLC) . The true measured value is obtained after deduction of the background value. (CEN/TC264, 1m³ chamber method)

[Certification Procedure]

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

- (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.

[Certification Procedure]

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

- (7) 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.

(8) 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

(9) The Product shall conform to JIS A 6921 “Wall paper.” Provided however the stipulations regarding formaldehyde emission shall not apply.

With the exception of treated paper-based wall paper and plastic-based wall paper, conformance to in-house standards substantially equivalent to JIS A 6921 shall be sufficient.

[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. In case the Product is equivalent to JIS, the Applicant shall submit a document certifying conformance to the in-house standards substantially equivalent to JIS A 6291.

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.