

Eco Mark Product Category No.137

“Building Products (Materials for Exterior Finish and Construction) Version1.0” Certification Criteria (Draft)

— Applicable Scope —

- A. Materials for concrete blocks, ALC panels, and extruded cement boards (scheduled)
- B. Materials for waterproofing work
- C. Materials for roofing and gutter work
- D. Materials for exterior finish work (scheduled)
- E. Materials for exterior facility work

Established: May 5, 2007 (scheduled)

Latest Revision Sept. 1, 2007

Validity Period: December 31, 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.

Contents

A. Materials for concrete blocks, ALC panels, and extruded cement boards (scheduled)

B. Materials for waterproofing work

B-1. Roofing

C. Materials for roofing and gutter work

C-1. Rain gutter

D. Materials for exterior finish work (scheduled)

E. Materials for exterior facility work

E-1. Plastic floor parts

E-2. Rainwater holding tank

Category E-1 “Plastic Floor Parts”

1. Applicable Scope

* “Plastic floor parts” that form the floor of balcony, porch, etc. of dwellings
JIS A

5721

*Such exterior floor parts forming balcony, porch, etc. of dwellings that qualify as “Wood-plastic recycled composites” stipulated in JIS A 5741

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 No. 123 “Building Products Using Recycled Material” and No.118 “Plastic Products”, the raw materials certification issued by the raw material supplier, which is one of the procedures to show conformance to the applicable criteria 4-1. (1), as well as the certifications procedure 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 plastic floor parts shall contain no less than 50% by weight of recycled plastic materials against the total weight of plastic contained in the product.

The exterior floor parts that qualify as wood-plastic recycled composite shall contain no less than 50% by weight of recycled plastics and reused/unused wood in total against the total weight of the product. In addition, any small diameter lumber used as underutilized wood shall satisfy the conditions of Attachment 1 with respect to the forest certification referred to in (a) or (b) of the definition.

Products that use as raw material such construction-derived lumber known as structure demolition lumber (lumber and woody materials that are generated as solid waste in conjunction with demolition of a structure) shall be, by prior sorting, made free of materials that has been treated by preservatives, ant repellents or insecticides. With respect to inclusion of hazardous substances in the product, the requirements for hexavalent chromium and arsenic listed in

Schedule 3 of the implementation regulations of the Soil Contamination Countermeasures Law (the Ministerial Order No.29 of the Ministry of the Environment dated December 26, 2002) shall be met.

[Certification Procedure]

The applicant shall state in the Attached Certificate the identity and content of the recycled materials and submit it, accompanied by raw material supply certificates of the raw material suppliers. With respect to forest thinning and underutilized lumber, certificates stipulated in Attachment 1 shall be submitted. With respect to products that use structure demolition lumbars, any sorting and removal of ant repellents and the like shall be stated in the Attached Certificate. Test results and other certificates shall be submitted with respect to any inclusion of hazardous substances.

- (2) No foamed resins used in the Product shall have been made by the use of any of the five specified CFCs listed in the attached Table 1, other CFCs, carbon tetrachloride, trichloroethane, or CFC substitutes (HCFC, HFC).

[Certification Procedure]

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

- (3) No cadmium, lead, hexavalent chromium, mercury, arsenic, selenium or their compounds have been added as recipe formulation components.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether applicable chemical substances have been added or not for manufacturing the products.

- (4) The product shall not contain any heavy metals or their compounds listed in Table 1 as formulation ingredients of the paint used.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria. In the event Eco Mark-certified paints are used, proof of conformance may be substituted by mention of the “brand name” and “certification number” of the certified paint to the application form.

Table 1 Standards for heavy metals and their compounds

Substance
Cadmium
Mercury
Hexavalent chromium
Lead
Arsenic
Antimony
Tributyl tin
Triphenyl tin

- (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.

[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, disposal 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. In addition, the Applicant shall submit a sample of a manual relating to installation, use, maintenance, disassembly, disposal and recycling. Regarding a part of the product's lifecycle from installation to recycling which is not included in the manual, the reason shall be indicated.

2-2. Quality Criteria and Certification Procedure

- (7) The quality of the Product shall conform to any applicable JIS standards. For the processed product, conformance to the applicable ISO, JIS, and/or industrial

standards shall suffice.

[Certification Procedure]

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

Category E-2 “Rainwater Holding Tank”

1. Applicable Scope

☐ Rainwater holding tank for home use (converted septic tanks are excluded)

2. Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) The product shall be capable of collecting rainwater from building roofs during rainfall, holding the rainwater after the rain stopped, and making it available effectively for garden watering and other household uses.

[Certification Procedure]

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

- (2) The product shall be equipped with faucet and other attachments for effective utilization of the stored rainwater as well as with cover, filter, nets or initial rainwater separator to prevent contamination by trash, dust or insects.

[Certification Procedure]

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

- (3) The product shall have a water holding capacity of no less than 100 liters.

[Certification Procedure]

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

- (4) The product shall contain no cadmium, lead, mercury, chromium, arsenic, selenium or their compounds as formulation ingredients in the plastic molding process.

[Certification Procedure]

The applicant shall state in the Attached Certificate any presence of cadmium and other chemicals.

- (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.

[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 again recyclable after use. Alternatively, the discarding and disposal of the Product shall be as easy as those of ordinary products. With respect to composite materials, attention shall have been paid for easy separation of different materials.

[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

- (7) The product is quality controlled by the manufacturer, and safety in installation and use is ensured.

[Certification Procedure]

The applicant shall submit a statement regarding the quality control system for the product as well as a statement regarding safety assurance for installation and use.

Established (scheduled) (Version 2.0):	September 1, 2007
Validity Period:	December 31, 2012

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