

Eco Mark Product Category No.139

“Building Products (Equipment) Version1.0”
Certification Criteria (Draft)

— Applicable Scope —

- A. Fire escape equipment, security system
- B. Plumbing equipment

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. Fire escape equipment, security system

A-1. Gas detector/alarm

B. Plumbing equipment

B-1. Bath unit for dwellings

Category B-1 “Bath Unit for Dwellings”

1. Applicable Scope

*Japan Industrial Standard “Bath Unit for Dwellings” JIS A 4416

(1) Water pan type

(2) Bath with wash space (all-in-one floor) type (Bathtub: JIS A 5712)

2. Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) The heat insulation capacity of the bathtub or bath unit for dwellings shall meet the requirements stipulated in Table 1 below for the respective applications:

Table 1 Heat insulation capacity of bath unit

Application	Heat insulation capacity	Ambient temperature around the unit	Initial hot water temperature
Single-family house	-2°C/4hrs. max	5±2°C	42°C
Multidwelling	-2°C/4hrs. max	10±2°C	42°C

<Measurement conditions>

- Test shall be conducted by placing the test bath unit in a test chamber that is capable of maintaining ambient temperature around the unit constant.
- Bathtub shall be filled with hot water only after the air temperature in the bath unit has become generally constant.
- Any illuminations in the bath unit shall be put out.
- After the test is started, no heat shall be added to the parts of bath unit, water in the bathtub or the air in the bath unit.
- During the test, all windows and doors of the bath unit shall be kept closed.
- The bathtub cover used for the test shall be the one which is commercially sold in combination with the test bathtub.

In addition, the quantity of water to fill the bathtub and spots for hot water temperature measurements shall conform to JIS A1718 “Test Methods for Bathtubs.”

[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 test report.

- (2) The applied product shall be of such a structure capable of being equipped with water tap faucets and shower that conform to all the criteria stipulated in “4-1 Environmental Criteria” of Eco Mark Product Category No.116 “Water-saving Equipment.”

[Certification Procedure]

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

- (3) 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.

- (4) If any adhesives and/or paints are used in the applied product, the concentrations of toluene and xylene in the bath unit measured at the time of product shipment shall not exceed the values set for room interior by the Ministry of Health, Labour and Welfare.

[Certification Procedure]

The Applicant shall state conformance in the attached certificate and submit the test results. The sampling and analysis of the test shall be made pursuant to the procedures to be taken for measurement of new construction dwellings as described in the “Measurement Manual for Chemical Substances in Room Interior Air” of the Ministry of Health, Labour and Welfare. Any ventilation system that may be installed to the bath unit for dwellings shall not be activated during the test when the unit is supposed to be kept closed and the sampling is carried out.

- (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.

- (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. 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.

- (8) Major parts that constitute the applied product shall have labeling to facilitate recycling. For polymer classification, the marks stipulated in Japan Industrial Standards JIS K6899-1 or ISO 1043-1, and the method of labeling shall conform to JIS K6999. This criteria shall apply to the parts that are so specified in the latest version of the "Decision Criteria for Assessment of Bath Unit Products" established in the "Bath Unit Product Assessment Manual" by the Bath Unit 3R Promotion Committee.

Parts for which material identity labeling is required by other laws and regulations may be exempted of this criteria to the extent they conform to such other laws and regulations.

[Certification Procedure]

Photographs and/or drawings that allow verification of the labeling and label location shall be submitted.

- (9) The applicant shall have the capability to make necessary repairs of the Eco Mark Certified Product. The capability shall mean either or both of the following: (a) That the product is repairable and that repairs (including replacement repairs by substitute product) are made in compliance with the user's request for a period no shorter than ten (10) years from the date of termination of the production of the product.

[Certification Procedure]

As evidence of the capability to mark repairs of Eco Mark Certified Product, either of the following certificate or document shall be submitted: (a) a certificate showing that repairs (including replacement repairs by substitute product) shall be made in compliance with the user's request for a period no shorter than ten (10) years from the date of termination of the production of the product, or (b) a document stating that the supply of repair parts (including substitute product) is guaranteed for a period no shorter than ten (10) years from the date of termination of the production of the product.

2-2. Quality Criteria and Certification Procedure

- (10) The quality of the Product shall conform to any applicable JIS standards

[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.

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

Validity Period: December 31, 2012

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