

## Eco Mark Product Category No. 139

# “Building Products (Equipment) Version 1.2” Certification Criteria

### - Applicable Scope -

#### A. Fire escape equipment, security system

A-1. Gas detector/alarm

#### B. Plumbing equipment

B-1 Bath unit for dwellings

B-2 Waterproof pan

Established: May 5, 2007

Validity Period: December 31, 2017

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 No139

**“Building Products (Equipment) Version1.2”  
Certification Criteria  
B-1 Bath unit for dwellings**

Japan Environment Association  
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**1. Purpose of Establishing Criteria**

Omitted

**2. Applicable Scope**

Bath unit for dwellings JIS A 4416

(1) Prefabricative pan type

(2) Bathtubs connected with floor type (floor integrated type) (bathtubs: JIS A 5712)

**3. Terminology**

Prescription constituents	Components intentionally added with the purpose of providing particular functions to the product. Impurities which are inevitably mixed during the manufacturing process are excluded.
Recycling	Indicates material recycling. Does not include energy recovery (thermal recycling).

**4. Certification Criteria and Certification Procedure**

## 4-1. Environmental Criteria and Certification Procedure

(1) Bathtubs or those installed in bath units for dwellings shall satisfy the heat retention performance shown in Table 1, depending on an application of each product.

Table 1 Heat Retention Performance of Bathtubs of Bath Units

Application	Heat Retention	Set Temperature	Hot Water
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	Performance	Around the Unit	Temperature at Which Test Starts
For a detached house	< 2°C in 4 hours	5±2°C	42°C
For condo/apartment house	< 2°C in 4 hours	10±2°C	42°C

○ Conditions of Measurement

- A test shall be conducted with a bath unit installed in a testing room where ambient temperatures can be adjusted to a certain level.
- Hot water shall be supplied to a bathtub after air temperature in the bath unit becomes almost constant.
- Lighting equipment in a bath unit shall be usually turned off. (Lighting for a short period of time for recording or working shall be allowed.)
- After testing starts, temperature of members comprising a bath unit/hot water in a bathtub/air in the bath unit shall not be raised.
- A window and door shall be closed during a test.
- A bathtub cover, which is actually combined and sold with a product to be tested, shall be used as a cover for a bathtub.

Any test condition other than those listed above shall conform to JIS A1718 “Test methods for bathtubs”.

[Certification Procedure]

An applicant shall indicate in the Attached Certificate whether the product conforms to this item and submit test results.

(2) Foamed resins used in the product shall not have been made by the use of the five specified CFCs listed in the attached Table 1, other CFCs, carbon tetrachloride, trichloroethane or CFC substitutes (HCFC, HFC).

[Certification Procedure]

An applicant shall indicate in the Attached Certificate whether the product conforms to this item.

(3) For any product that was manufactured using additives or paints, measures shall be taken, such as provision of adequate curing period, etc., so that emissions

of toluene, xylene, and formaldehyde will be reduced, when the product is delivered.

[Certification Procedure]

The applicant shall indicate in the Attached Certificate whether or not the product conforms to this item, and explain about measures to reduce emissions of toluene, xylene, and formaldehyde (non-use of the said substance, curing period/curing method, etc.).

(4) In a bathroom, wood materials that emit no formaldehyde or that has the F☆☆☆☆ certification, which is the formaldehyde emission criteria stipulated in the JIS standard and JAS standard, or those equivalent thereto, shall be used.

[Certification Procedure]

Test results according to JIS standard, a certificate to show that the product is F☆☆☆☆ class or a copy of those shall be submitted.

(5) In manufacturing the applied product, related environmental laws and regulations and pollution control agreement (hereinafter referred to as the “Environmental Laws, etc.”) must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous substances in the area where the plant performing the final manufacturing process is located.

In addition, the state of compliance with the Environmental Laws, etc. for the past five years from the date of application (whether there is any violation) must be reported. If there is any violation, proper remedies and preventive measures shall have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]

With respect to the compliance with the Environmental Laws, etc. in the area where the plant performing the final manufacturing process is located, a certificate issued by the representative of the business of manufacturing the applied product or the relevant plant manager (entry or attachment of a list of names of the Environmental Laws, etc.) must be submitted.

In addition, the applicants shall report whether there is any violation in the past five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:

- a. With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such documents (clearly indicating a series of communication);
- b. Following materials (copies of recording documents, etc.) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5):
- 1) List of the Environmental Laws, etc. related to the area where the plant is located;
  - 2) Implementation system (organizational chart with roles, etc.);
  - 3) Bylaws stipulating retention of recording documents;
  - 4) Recurrence prevention measures (future preventive measures);
  - 5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

(6) In order to encourage appropriate disposal/recycling, notes on disposal of a bath unit, etc. shall be placed in manuals, etc. for consumers.

(Example of description)

“When you dispose of a bath unit, please request an authorized vendor to do so. We would appreciate your cooperation in appropriate disposal and recycling of any material that can be recycled.”

[Certification Procedure]

The applicant shall submit a sample such as a manual on disposal or recycling.

(7) A main member comprising the product shall carry an indication that facilitates recycling. To indicate polymer types, symbols in the Japan Industrial Standards JIS K6899-1 or ISO 1043-1 shall be used. For a marking method, JIS K 6999 shall be followed. Targeted members shall follow the latest edition of “Judging Standard for Implementation of Assessment of Bath Unit Products” that is indicated in “Bath Unit Product Assessment Manual Bath Unit 3R Promotion Committee”.

In addition, for any product that is obliged to indicate materials by other laws or ordinances, conformance to this item may be substituted by the indication thereof.

[Certification Procedure]

Any photograph and/or design drawing to show the content and the portion of indication shall be submitted.

(8) The applicant shall have the system to repair the Eco Mark certified products. The product can be repaired for recovering the product function, and shall be repaired corresponding to the users' request for at least 10 years after production stoppage of the applied product (including replacement). Targeted members shall follow the latest edition of "Judging Standard for Implementation of Assessment of Bath Unit Products" that is indicated in "Bath Unit Product Assessment Manual Bath Unit 3R Promotion Committee".

[Certification Procedure]

The applicant shall submit the users manual, etc. in which the target scope of repair or replacement, contact information are written as a certification of a repair system in place.

Certification to indicate that the repair (or replacement) of the applied product is conducted corresponding to the users' request for at least 10 years after production stoppage shall be submitted.

(9) In case a flame retardant is used in the product, the flame retardant shall not contain PBB (polybrominated biphenyl), PBDE (polybrominated diphenyl ether), or short-chain chlorinated paraffin (the number of chained C is 10 to 13 and contained chloride concentration is 50% or over) as a prescription constituent.

[Certification Procedure]

An applicant shall indicate in the Attached Certificate whether the product conforms to this item.

(10) The antibacterial finishing shall conform to Exhibit 1 "Use of Antibacterial Agent in Bath Unit for Dwellings", if it is conducted.

[Certification Procedure]

An applicant shall indicate in the Attached Certificate whether the product conforms to this item and submit the name of chemicals, CAS No., MSDS, test results and an indication design on antibacterial according to Attachment 1.

#### 4-2. Quality Criteria and Certification Procedure

(11) The quality of the Product shall conform to corresponding JIS standards.

[Certification Procedure]

An applicant shall submit a certificate such as test results, etc., indicating that the product conforms to the appropriate JIS. In the case in which the applied

product or the plant manufacturing the applied product has been certified by JIS, a certificate of conformance to the criteria can be substituted by submitting a copy of the JIS certification.

#### 5. Product Classification, Indication and Others

Omitted

Established: May 5, 2007

Revised: February 25, 2008 (B-1 added Version1.1)

Revised: August 21, 2008 (4-1.(5) Version1.2)

Revised: March 15, 2010 (Extension of Validity Period)

Validity Period: December 31, 2017

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

Attached Table 1 Fluorocarbons prohibited at the manufacturing of foamed resins

CFC5s	Trichlorofluoromethane	HCFC	Dichlorofluoropropane
	Dichlorodifluoromethane		Chlorodifluoropropane
	Trichlorotrifluoroethane		Chlorofluoropropane
	Dichlorotetrafluoroethane	HFC	Trifluoromethane
	Chloropentafluoroethane		Difluoromethane
Other CFCs	Chlorotrifluoromethane		Fluoromethane
	Pentachlorofluoromethane		1,1,1,2,2-Pentafluoroethane
	Tetrachlorodifluoroethane		1,1,2,2-Tetrafluoroethane
	Heptachlorofluoropropane		1,1,1,2-Tetrafluoroethane
	Hexachlorodifluoropropane		1,1,2-Trifluoroethane
	Pentachlorotrifluoropropane		1,1,1-Trifluoroethane
	Tetrachlorotetrafluoropropane		1,1-Difluoroethane
	Trichloropentafluoropropane		1,1,1,2,3,3,3-Heptafluoropropane
	Dichlorohexafluoropropane	1,1,1,3,3,3-Hexafluoropropane	
	Chloroheptafluoropropane	1,1,2,2,3-Pentafluoropropane	
	Carbon Tetrachloride		
	1,1,1-Trichloroethane		
HCFC	Dichlorofluoromethane		
	Chlorodifluoromethane		
	Chlorofluoromethane		
	Tetrachlorofluoroethane		
	Trichlorodifluoroethane		
	Dichlorotrifluoroethane		
	Chlorotetrafluoroethane		
	Trichlorofluoroethane		
	Dichlorodifluoroethane		
	Chlorotrifluoroethane		
	Dichlorofluoroethane		
	Chlorodifluoroethane		
	Chlorofluoroethane		
	Hexachlorofluoropropane		
	Pentachlorodifluoropropane		
	Tetrachlorotrifluoropropane		
	Trichlorotetrafluoropropane		
	Dichloropentafluoropropane		
	Chlorohexafluoropropane		
	Pentachlorofluoropropane		
	Tetrachlorodifluoropropane		
	Trichlorotrifluoropropane		
	Dichlorotetrafluoropropane		
	Chloropentafluoropropane		
	Tetrachlorofluoropropane		