

**“Building Products (Equipment) Version1.5”
Certification Criteria
B-1 Bath unit for dwellings**

Japan Environment Association
Eco Mark Office

1. Purpose of Establishing Criteria

Omitted

2. Applicable Scope

Bath unit for dwellings JIS A 4416

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) Regarding the heat retention performance of the bathtubs or those installed in bath units for dwellings, decrease in hot water temperature shall be 2.5°C or lower in 4 hours, conforming to 5.18 high insulation test of 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. In the case of using flame retardant, the Applicant shall fill in the names of chemical substances on the Attached Certificate. I

(10) In case an antimicrobial agent is used in the product, the product shall be certified by such as the SIAA Mark of Society of Industrial technology for Antimicrobial Articles or Registration system for the use of antimicrobial performance criteria of Japan Construction Material & Housing Equipment Industries Federation.

[Certification Procedure]

Compliance (or lack thereof) with this item shall be indicated in the Attached Certificate. In the case of using antimicrobial agents, a copy of a certificate etc shall be submitted.

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

May 5, 2007	Established (Version 1.0):
February 25, 2008	Revised: (B-1 added Version1.1)
August 21, 2008	Revised (4-1(5) Version1.2))
March 15, 2010	Extension of Validity Period
March 1, 2011	Revised (5.(2) Version 1.3)
April 1, 2012	Revised (A-1(2), B-1(2), Version1.4)
June 15, 2012	Revised (4-1(10) Version1.5)
December 31, 2022	Validity Period:

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	Chlorofluoroethane	
	Dichlorodifluoromethane		Hexachlorofluoropropane	
	Trichlorotrifluoroethane		Pentachlorodifluoropropane	
	Dichlorotetrafluoroethane		Tetrachlorotrifluoropropane	
	Chloropentafluoroethane		Trichlorotetrafluoropropane	
Other CFCs	Chlorotrifluoromethane		Dichloropentafluoropropane	
	Pentachlorofluoromethane		Chlorohexafluoropropane	
	Tetrachlorodifluoroethane		Pentachlorofluoropropane	
	Heptachlorofluoropropane		Tetrachlorodifluoropropane	
	Hexachlorodifluoropropane		Trichlorotrifluoropropane	
	Pentachlorotrifluoropropane		Dichlorotetrafluoropropane	
	Tetrachlorotetrafluoropropane		Chloropentafluoropropane	
	Trichloropentafluoropropane		Tetrachlorofluoropropane	
	Dichlorohexafluoropropane		Dichlorofluoropropane	
	Chloroheptafluoropropane		Chlorodifluoropropane	
	Carbon tetrachloride		Chlorofluoropropane	
	1,1,1-Trichloroethane		HFC	Trifluoromethane
HCFC	Dichlorofluoromethane			Difluoromethane
	Chlorodifluoromethane			Fluoromethane
	Chlorofluoromethane	1,1,1,2,2-Pentafluoroethane		
	Tetrachlorofluoroethane	1,1,2,2-Tetrafluoroethane		
	Trichlorodifluoroethane	1,1,1,2-Tetrafluoroethane		
	Dichlorotrifluoroethane	1,1,2-Trifluoroethane		
	Chlorotetrafluoroethane	1,1,1-Trifluoroethane		
	Trichlorofluoroethane	1,1-Difluoroethane		
	Dichlorodifluoroethane	1,1,1,2,3,3,3-Heptafluoropropane		
	Chlorotrifluoroethane	1,1,1,3,3,3-Hexafluoropropane		
	Dichlorofluoroethane	1,1,2,2,3-Pentafluoropropane		
	Chlorodifluoroethane	1,1,1,2,3,4,4,5,5,5-Decafluoropentane		