

Eco Mark Product Category No.138

“Building Products (Materials for Supplies) Version 1.10” Certification Criteria Category B-1 “PVC Pipes for Sewage or Vent”

Japan Environment Association
Eco Mark Office

1. Purpose of establishing criteria

omitted

2. Applicable Scope

- Unplasticized polyvinyl chloride three layer pipes with recycled solid core JIS K 9797
- Unplasticized polyvinyl chloride three layer pipes with recycled foamed core JIS K 9798
- Recycled hard vinyl chloride tube for drainage AS-58
- Recycled three-layer hard vinyl chloride tube for sewage AS-62
- Hard vinyl chloride pits and recycled three-layer up edge of manholes PMMS 301

3. Terminology

omitted

4. Certification Criteria and Certification Procedure

4-1. Environmental Criteria and Certification Procedure

- (1) The standard content rate of post-consumer materials derived from unplasticized polyvinyl chloride pipes or fittings in the product shall satisfy Table 1.

[Certification Procedure]

The Applicant shall submit a certifying document of the recycle plastic content rate in the product and the raw material certificate issued by the respective raw material suppliers.

Table 1 standard content rate of post-consumer materials

classification	Pipe type	standard content (% by mass)
three layer pipes	Unplasticized polyvinyl chloride three layer pipes with recycled solid core(JIS K 9797 Recycled three-layer hard vinyl chloride	50% or more

	tube for sewage (AS62) Hard vinyl chloride pits and recycled three-layer up edge of manholes (PMMS301)	
	Unplasticized polyvinyl chloride three layer pipes with recycled foamed core (JIS K 9798)	30% or more
single layer pipes	Recycled hard vinyl chloride tube for drainage (AS58)	80% or more

- (2) The Product shall conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 4 of the enforcement regulation of the Soil Contamination Countermeasures Law (2002 Ministerial Order No. 29 of the Ministry of the Environment) with respect to cadmium, lead, hexavalent chromium, arsenic, mercury, selenium among the specified hazardous substances listed therein.

[Certification Procedure]

For the elusion of applicable substances from the product, the results of tests conducted by an own company or a third party testing body shall be submitted. In case to conduct tests for each material, for the material which does not clearly contain the applicable substances, the certification certified by a material business or an applicant which shows the product contains no applicable substances is acceptable. However, for recycled materials, tests shall be conducted.

- (3) The products shall be recyclable after use. As a system to be provided by a manufacturer or distributor, there is a system for collecting/recycling applied products, and information therefore shall be provided.

[Certification Procedure]

Explanatory documents on collection, recycling system and recycle method shall be submitted.

- (4) 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.

- (5) The product shall have no flame retardant of Polybrominated biphenyl (PBB), Polybrominated diphenylether (PBDE) or short-chain chlorinated paraffin (the number of chained C is 10 to 13 and contained chloride concentration is 50% or over) added as formulated components.

[Certification Procedure]

Compliance (or lack thereof) with this item shall be indicated in the Attached Certificate. In the case of using flame retardant, the Applicant shall fill in the names of chemical substances on the Attached Certificate.

- (6) 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. (Entry example 3)

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 (organization chart with roles, etc.);
- 3) Bylaws stipulating retention of recording documents;
- 4) Recurrence prevention measures (future preventive measures)
- 5) State of implementation based on the recurrence prevention measures (check results of on-site inspection, etc. as compliance condition).

4-2. Quality Criteria and Certification Procedure

(7) The quality of the Product shall conform to any applicable JIS standards, etc.

[Certification Procedure]

The applicant shall submit a certificate of test results and other data showing conformance to the applicable JIS standards, etc. If the applied product or the manufacturing plant of the applied product is JIS certified, submission of a photocopy of such JIS certification shall be sufficient for certification of conformance to the present criteria.

5. Product Classification, Indication and Others

- (1) A product classification (application unit) shall be by a type of product in 2. Applicable Scope and by brand name. Products shall not be classified by size or color.
- (2) In principle, Eco Mark shown as below shall be indicated on the product. Regarding licensee of Eco Mark Utilization Contract who already own Eco Mark products, the indication of the logo and certification number that have been used is also acceptable.



(Note for the indication)

- *For indicating the logo, Eco Mark certification number (eight-digit number) or the name of the licensee using the logo shall be appeared.
- * Such expression as “Eco Mark product” can be used following the 2.(2) of the Guide

to Eco Mark Usage.

“Eco Mark product”, “#Eco Mark”, “www.ecomark.jp”, “Eco Mark Certificate”

- * If a licensee makes an environmental claim of the Eco Mark certified products associating with the Eco Mark logo, please comply with the “Environmental Labeling Guidelines” of the Ministry of the Environment of Japan.

(<https://www.env.go.jp/policy/hozen/green/ecolabel/guideline/>)

- * The Guide to Eco Mark Usage shall be followed for any cases not listed above. (<https://www.ecomark.jp/office/guideline/guide/>)

May 5, 2007	Established (Version 1.0)
November 1, 2007	Revised (B-1 added Version1.1)
August 21, 2008	Revised (4-1.(4) Version1.3)
November 25, 2008	Revised (C-1 added, Version1.4)
November 4, 2009	Revised (2, 4-1(1), (3) added, Version1.5)
March 15, 2010	Extension of Expiration
March 1, 2011	Revised (5. (2) Version1.6)
January 15, 2012	Revised (D-1 and 2 added, Version1.7)
June 15, 2012	Revised (4-1.(5) Version1.9)
March 15, 2016	Extension of Term of Validity
April 1, 2019	Revised (Eco Mark Indication)
March 1, 2020	Revised (B-1:4-1.(1) Version1.10)
March 1, 2021	Extension of Expiration
December 31, 2027	Expiration date

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