

## Eco Mark Product Category No.138

### “Building Products (Materials for Supplies) Version 1.9” 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 poly (vinyl chloride) (PVC-U) three layer pipes with recycled solid core JIS K 9797
- Unplasticized poly (vinyl chloride) (PVC-U) 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 product shall contain no less than standard mixture amount provided in Table 1 by weight of recycled plastics in total against the total weight of the product.

[Certification Procedure]

The Applicant shall fill in the names of recycled materials and their respective standard mixture amount on the Attached Certificate form and submit it together with the raw materials certifications issued by the respective raw material suppliers.

**Table 1 standard mixture amount of recycle materials**

Applicable scope	standard mixture amount (% by mass)
three layer pipes (JIS K 9797、 JIS K 9798、 AS62、	30%

PMMS301)	
single layer pipes (AS58)	80%

- (2) The Product shall conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 3 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.

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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 Term of Validity
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)
December 31, 2017	Validity Period

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