

Eco Mark Product Category No.123

“Building Products (Materials for Interior Work) Version2.8”

B. Materials for joiner’s work

Certification Criteria

Category B-1 Paper sliding-door, Fusuma door

Japan Environment Association

Eco Mark Office

1. Purpose of Establishing Criteria

Omitted

2. Applicable Scope

- Finished paper sliding-door and finished fusuma door, provided that the door-case and structural grids are of woody materials
- Main structure of paper sliding-door and fusuma door, provided that the door-case and structural grids are of woody materials

Note 1: Paper sliding-doors that have sheet glass or skirting plate are included.

Note 2: Paper for paper sliding-door, paper for fusuma door and fabric sheet for fusuma door are classified into Category G-2 “Sliding-door paper, fusuma paper” because they are intended for eventual replacement from the start.

3. Terminology

Omitted

4. Certification Criteria and Certification Procedure

To show conformance to the individual criteria, the Applicant shall submit the respective Attached Certificate forms duly filled in.

In the event re-examination under the present Certification Criteria is sought for a product that is already certified in the Product Category No. 115 “Products Using Thinned-out Wood, Reused Wood, etc. Version 2.0,” the raw materials certification issued by the raw material supplier which is one of the procedures to show conformance to the applicable criteria 4-1. (1) as well as the certifications procedures (5), (6), and 4-2. (10) may be substituted by filling in necessary items on the Attached Certificate form and declaring further therein that no alterations have been made to the product already certified.

4-1. Environmental Criteria and Certification Procedure

- (1) The wooden part of the Product shall be 100% Reused/Unused Wood. Small-diameter logs of rarely utilized wood that are obtained from trees in natural forest or from trees in artificial forest by way of clear cutting, group selection cutting, or strip cutting shall satisfy the forest accreditation requirements listed in Table 1.

In the event the Product uses as its raw material construction-derived wood that is defined as disassembled architectural wood (wood and woody materials that are generated as waste as a result of building demolition), materials that have received preservative, termite control or insect repellent treatment shall have been sorted out and removed. The content of hazardous substances in the Product shall satisfy the requirements with respect to hexavalent chromium and arsenic that are listed in Attached Table 3 of the enforcement regulation of the Soil Contamination Countermeasures Law (Ministerial Ordinance of the Ministry of the Environment No. 29 dated December 26, 2002).

Table 1 Forest Accreditation Requirements

Accreditation standards	That the standard balances the economic, ecological and social interests, adheres to the principles of Agenda 21 and the Declaration of Forest Principle, and observes compliance with pertinent international agreements and treaties.
	That the standard contains secure requirements and is conducive to and oriented toward sustainable forests.
	That the standard is recognized nationally or internationally and is recommended as part of a process open to participation of ecological, economic and social stakeholders.
Accreditation system	That the accreditation system is transparent, maintains extensive credibility nationally or internationally, and is capable of verifying the requirements.
Accreditation organization or body	That the organization is fair and reliable. That it is capable of verifying performance of the requirements, communicating the findings and enforcing effective performance of the requirements.

[Certification Procedure]

The Applicant shall fill in the names of recycled materials and their respective contents on the Attached Certificate form and submit it together with the raw materials certifications issued by the respective raw material suppliers. In the event rarely utilized wood is used as a raw material, the Applicant shall submit a

document certifying the following, and if applicable shall in addition submit a document showing that a third-party accreditation has been given as to the sustainability of the forest:

- Type of forest (natural, artificial, etc.), location, tree species, and in case of artificial forest, the year of forestation
- The reason for lumbering (damage by diseases, insects, animals or natural calamities, being not straight, being a small-diameter wood, etc.) and in case of small-diameter wood the method of management, end diameter, and other information

With respect to products that use structure demolition lumbers, any sorting and removal of ant repellents and the like shall be stated in the Attached Certificate. In case to use structure demolition lumber, certification to show any sorting of structure demolition lumber and removal of lumber that has been treated by preservatives, ant repellents or insecticides (operation manuals, operational flow-chart, etc.) shall be submitted. In addition, submit the test results prepared by an independent test organization or public body.

If bamboo is used as raw materials underutilized wood, a certificate showing the below mentioned items shall be submitted together with a photograph(s) or a map of the bamboo forest concerned.

- Bamboo species, place of origin, conditions of the surrounding area, description that the cutting was justified for proper environmental management, forest management plan and amount.

- (2) The total mass of any non-woody materials (except for paints, adhesives, printing ink, etc.) that may be added shall be less than 30% of the total mass of the Product. Provided however the total mass of such non-woody materials shall be less than 40% of the total mass of the Product if glass is used in the Product.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria and shall submit data on the mass of the Product and a materials sheet showing identity and mass of the woody and non-woody materials used.

- (3) The Product shall be free of termite control agents, preservatives, fungicides, or insect repellents.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or

lack thereof) to this criteria.

- (4) The product shall not contain any heavy metals or their compounds listed in Table 2 as prescribed constituents of the paint used.

[Certification Procedure]

The Applicant shall submit the certificate issued by the paint manufacturer to show that the product does not contain any applicable substances. In the event Eco Mark-certified paints are used, proof of conformance may be substituted by mention of the “brand name” and “certification number” of the certified paint to the application form.

Table 2 Standards for heavy metals and their compounds

Substance
Cadmium
Mercury
Hexavalent chromium
Lead 0.06% or less
Arsenic
Antimony
Tributyl tin
Tripheny tin

- (5) Products for which adhesives or paints have been used shall have no emission of toluene or xylene detected at the time of product shipment. “No emissions detected” shall mean no more than the lower quantification limit based on Japan Industrial Standard JIS A 1901 “Measuring methods for emission of volatile organic chemicals (VOC), formaldehyde and other carbonyl compounds—small chamber method.”

[Certification Procedure]

The applicant shall submit the test result of emission of toluene and xylene by the third party or in-house testing. In the event neither toluene nor xylene is added to the Product, adhesives or paints as prescribed constituents, the aforesaid test may be exempted and the Applicant shall indicate in the Attached Certificate no addition of the said substances.

- (6) In the case of Products for which any of the formaldehyde emitting building materials specified by the Building Standards Law have been used, either the Product or the individual woody materials used, the adhesives, and the paints shall, with respect to the question of formaldehyde emission, conform to the applicable JIS standard, are rated “F four-stars” under the JAS standards, and are outside the scope of regulations set forth by the Minister of Land,

Infrastructure and Transport, respectively. Put differently, the Product shall satisfy the numerical criteria of either a) or b) below:

- a) The formaldehyde emission is not more than 0.3 mg/l on average and not more than 0.4 mg/l at maximum, as measured pursuant to JIS A 1460 “Test method for formaldehyde emission of building boards—desiccator method.”
- b) The formaldehyde emission rate is no higher than $5\mu\text{g}/(\text{m}^2\cdot\text{h})$, as measured pursuant to JIS A 1901 “Test method for formaldehyde emission of building materials—small chamber method.”

Provided however the following alternative c) is also accepted:

- c) In the case of adhesives or paints for which JIS or JAS standards exist, the formaldehyde emission rate, as calculated by the use of conversion formula from the results of glass desiccator method measurement set out in the applicable individual standard, is no higher than $5\mu\text{g}/(\text{m}^2\cdot\text{h})$.

[Certification Procedure]

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

In the event the Product used none of the formaldehyde emitting building materials specified by the Building Standards Law and hence is not subjected to formaldehyde regulations, the Applicant shall so state in the Attached Certificate form.

With respect to the Products for which any of the formaldehyde emitting building materials specified by the Building Standards Law are used, the Applicant shall submit a certificate showing that the Product has been rated Class “F four-stars” based on test results according to JIS standard or a document explaining that the product is outside the scope of regulations by the Minister of Land, Infrastructure and Transport.

- (7) 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.

- (8) The Product shall be fit for uninterrupted use for a period of at least 20 years.

[Certification Procedure]

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

- (9) 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 materials 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 last five years from the date of application (whether there is any violation) must be reported. If there is any violation, it is necessary that proper remedies and preventive measures 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 manager of the relevant plant (entry or attachment of the list of names of the Environmental Laws, etc.) must be submitted.

In addition, it is necessary to report whether there is any violation during the last 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 (making a series of progress clear);
- b. Following materials (copies of recording documents, and so on) 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 entry of roles, etc.);
 - 3) Document 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).

4-2. Quality Criteria and Certification Procedure

(10) The Product quality shall conform to in-house standards and the like.

[Certification Procedure]

The Applicant shall submit a document showing conformance to the applicable in-house standards or the like.

Established (scheduled) (Version 2.0):	May 1, 2007
Revised (4-1.(4)(5): Version 2.2):	November 1, 2007
Revised (4-1.(9): Version 2.5):	August 21, 2008
Extension of Validity Period	March 15, 2010
Validity Period:	December 31, 2017

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

Category B-2 Sliding-door paper, fusuma paper

1. Purpose of Establishing Criteria

Omitted

2. Applicable Scope

- Japan Industrial Standard “Sliding-door paper” JIS S 3102
- Fusuma paper

3. Terminology

Omitted

4. Certification Criteria and Certification Procedure

To show conformance to the individual criteria, the Applicant shall submit the respective Attached Certificate forms duly filled in.

In the event re-examination under the present Certification Criteria is sought for a product that is already certified in the Product Category No.104 “Household Textile Products Version 2.0,” the raw materials certification issued by the raw material supplier which is one of the procedures to show conformance to the applicable criteria 4-1(1) as well as the certification procedures (2) and 4-2.(4) may be substituted by filling in necessary items on the Attached Certificate form and declaring further therein that no alterations have been made to the product already certified. In the event re-examination under the present Certification Criteria is sought for a product that is already certified in the Product Category No. 123 “Building Products Using Recycled Materials” the raw materials certification issued by the raw material supplier which is one of the procedures to show conformance to the applicable criteria 4-1.(1) as well as the certification procedure 4-2.(4) may be substituted by filling in necessary items on the Attached Certificate form and declaring further therein that no alterations have been made to the product already certified.

4-1. Environmental Criteria and Certification Procedure

- (1) The content of used paper pulp or the mass of recycle fiber in the total mass of fiber portion of the Product shall be no less than 50%. In the case of chemically recycled fiber, however, the content of recycled monomer shall be no less than 50% as monomer.

[Certification Procedure]

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

- (2) The Product shall contain none of the dyestuffs listed in Attached Table 1 as recipe prescribed constituents.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria and submit it together with certifications issued by the paper manufacturer or dyeing manufacturer.

- (3) 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 materials 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 last five years from the date of application (whether there is any violation) must be reported. If there is any violation, it is necessary that proper remedies and preventive measures 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 manager of the relevant plant (entry or attachment of the list of names of the Environmental Laws, etc.) must be submitted.

In addition, it is necessary to report whether there is any violation during the last 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 (making a series of progress clear);

- b. Following materials (copies of recording documents, and so on) 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 entry of roles, etc.);
 - 3) Document 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).

4-2. Quality Criteria and Certification Procedure

- (4) The sliding-door paper shall conform to JIS S 3102.

The quality of fusuma paper shall have been properly managed in accordance with in-house standards and the like.

[Certification Procedure]

The Applicant shall submit a document certifying the test results and other data to show conformance to the applicable JIS standards, in-house standards or the like. In the event the Product or the manufacturing site of the Product has been certified by JIS or the like, submission of a copy of certificate issued by JIS or the like shall suffice for the aforesaid purpose.

Established (Version 2.0):	May 5, 2007
Revised (4-1.(3): Version 2.5):	August 21, 2008
Revised (2.Terminology):	May 1, 2009
Extension of Validity Period	March 15, 2010
Validity Period:	December 31, 2017

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

Attached Table 1Dyestuff

Dyestuff listed in the following a, b and c shall not be added as a prescription constituent.

For Textiles other than wool, chromium-based dyestuff shall not be added as prescription constituent.

- a. Azo dyestuff that may decompose and generate the following carcinogenic aromatic amines (one or more following amines are detected at exceeding 30 mg per 1 kg of product by the analysis method prescribed by the collection of testing procedures containing all the Official Test Methods pursuant to Article 35 of the German Food and Consumer Goods Law).

Carcinogenicity rank (A1)		
92-67-1	4-Aminobiphenyl	C1(EU),1(NTP,IARC)
92-87-5	Benzidine	C1(EU),1(NTP,IARC)
95-69-2	4-Chloro- <i>o</i> -toluidine	2A(NTP,IARC)
91-59-8	2-Naphthylamine	C1(EU),1(NTP,IARC)
Carcinogenicity rank (A2)		
97-56-3	<i>o</i> -Aminoazotoluene	C2(EU), 2B(NTP,IARC)
99-55-8	2-Amino-4-nitrotoluene	3(NTP,IARC)
106-47-8	4-Chloroaniline	C2(EU), 2B(NTP,IARC)
615-05-4	2,4-Diaminoanisole	2B(NTP,IARC)
101-77-9	4,4'-Diaminodiphenylmethane	C2(EU), 2B(NTP,IARC)
91-94-1	3,3-Dichlorobenzidine	C2(EU), 2B(NTP,IARC)
119-90-4	<i>o</i> -Dianisidine; 3,3'-Dimethoxybenzidine	C2(EU), 2B(NTP,IARC)
119-93-7	<i>o</i> -Tolidine; 3,3'-Dimethylbenzidine	C2(EU), 2B(NTP,IARC)
838-88-0	4,4'-Diamino-3,3'-dimethyldiphenylmethane	C2(EU), 2B(NTP,IARC)
120-71-8	<i>p</i> -Cresidine	2B(NTP,IARC)
101-14-4	4,4'-Diamino-3,3'-dichlorodiphenylmethane	C2(EU), 2A(NTP,IARC)
101-80-4	4,4'-Diaminodiphenyl ether	2B(NTP,IARC)
139-65-1	4,4'-Diaminodiphenyl sulfide	2B(NTP,IARC)
95-53-4	<i>o</i> -Toluidine	C2(EU), 2B(NTP,IARC)
95-80-7	2,4-Diaminotoluene	C2(EU), 2B(NTP,IARC)
137-17-7	2,4,5-Trimethylaniline	
90-04-0	<i>o</i> -Anisidine	C2(EU), 2B(NTP,IARC)
95-68-1	2,4-Xylidine	3(NTP,IARC)
87-62-7	2,6-Xylidine	2B(NTP,IARC)
60-09-3	4-Aminoazobenzene	C2(EU)

b. Carcinogenic dyestuff

569-61-9	C.I. BASIC RED 9	CI 42500	C2(EU), 2B(NTP,IARC), Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	C2(EU), 2B(NTP,IARC), Oeko-Tex
3761-53-3	C.I. ACID RED 26	CI 16150	2B(NTP,IARC), Oeko-Tex
6459-94-5	C.I. ACID RED 114	CI 23635	2B(NTP,IARC)
2602-46-2	C.I. DIRECT BLUE 6	CI 22610	C2,R3(EU),2A(NTP,IARC), Oeko-Tex
1937-37-7	C.I. DIRECT BLACK 38	CI 30235	C2,R3(EU), 2A(NTP,IARC), Oeko-Tex
573-58-0	C.I. DIRECT RED 28	CI 22120	C2,R3(EU) , Oeko-Tex
2932-40-8	C.I. DISPERSE YELLOW 3	CI 11855	Oeko-Tex

c. Dyestuff causing skin sensitization

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505	ETAD, Oeko-Tex
12222-75-2	C.I. DISPERSE BLUE 35		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 106		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 124		ETAD, Oeko-Tex
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855	ETAD, Oeko-Tex
730-40-5	C.I. DISPERSE ORANGE 3	CI 11005	ETAD, Oeko-Tex
	C.I. DISPERSE ORANGE 37		ETAD, Oeko-Tex
2872-52-8	C.I. DISPERSE RED 1	CI 11110	ETAD, Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	Oeko-Tex
3179-90-6	C.I. DISPERSE BLUE 7	CI 62500	Oeko-Tex
3860-63-7	C.I. DISPERSE BLUE 26	CI 63305	Oeko-Tex
	C.I. DISPERSE BLUE 102		Oeko-Tex
	C.I. DISPERSE ORANGE 1	CI 11080	Oeko-Tex
	C.I. DISPERSE ORANGE 76		Oeko-Tex
2872-48-2	C.I. DISPERSE RED 11	CI 62015	Oeko-Tex
	C.I. DISPERSE RED 17	CI 11210	Oeko-Tex
119-15-3	C.I. DISPERSE YELLOW 1	CI 10345	Oeko-Tex
	C.I. DISPERSE YELLOW 9	CI 10375	Oeko-Tex
	C.I. DISPERSE YELLOW 39		Oeko-Tex
	C.I. DISPERSE YELLOW 49		Oeko-Tex

Reference: International Agency for Research on Cancer (IARC)
National Toxicology Program (NTP)
EU Directive 76/769/EC
EU Directive 2002/61/EC
Ecological and Toxicological Association of Dyes and
Organic Pigments Manufacturers (ETAD)
Oeko-Tex Standard 100