

**Eco Mark Product Category No.123 “Building Products (Materials for Interior Work) Version 2.3” Certification Criteria (Draft)
Category C-6 Vinyl Flooring**

1. Applicable Scope

- Vinyl flooring JIS A 5705

2 Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) For the products, the weight percentage of recycled plastic shall be no less than 15% for the total weight of the product.

[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 conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 2 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, and selenium among the specified hazardous substances listed therein.

However, this item is not applicable for paper and fiber.

[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 organization 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) Products for which adhesives or paints have been used shall have no emission of toluene or xylem 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 results conducted by an own company or a third party testing organization for emission of toluene and xylem. In the event neither toluene nor xylem is added to the Product, adhesives or paints as prescribed components, the aforesaid test may be exempted and the Applicant shall submit a document substantiating no addition of the said substances.

- (4) In the case of Products for which adhesives or paints have been used, with respect to the question of formaldehyde emission, the product or used adhesives or used paints shall 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 5µg/(m²·h), as measured pursuant to JIS A 1901 “Measuring methods for emission of volatile organic chemicals (VOC), formaldehyde and other carbonyl

compounds—small chamber method.”

Provided however the following alternatives 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.

- (5) No foamed resins used in the Product shall have been made by the use of any of the five specified CFCs listed in the attached Table 1, other CFCs, carbon tetrachloride, trichloroethane, or CFC substitutes (HCFC, HFC).

[Certification Procedure]

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

- (6) In case the Product contains as a prescribed constituents any plastic material that has a halogen in the polymer skeleton, at least 70% of the plastic part of the Product after use shall be recovered. Furthermore, at least 70% of such recovered plastic part shall be directed to material recycling. For the plastic product with use of halogen, however, the

average length of year to use is 20 years and over, this item is not applicable.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether this criteria applies to the Product or not, and, if affirmative, shall submit a document ensuring that proper recovery and recycling will be made at the time of Product disposal, or continuous use of 20 years and over. This Office reserves the right to ask the Applicant to present reports on the recovery ratio (or to conduct audit) after the conclusion of the license agreement, for which the Applicant assumes the obligation to cooperate.

- (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) Applicable environmental laws and regulations, pollution prevention agreements and any other requirements shall have been observed in the course of the Product manufacture with respect to air pollution, water contamination, noise, vibration, obnoxious odor, emission of hazardous substances, etc.

[Certification Procedure]

The Applicant shall submit a statement signed by the general manager of the manufacturing site of the Product declaring that all applicable environmental laws and regulations and the like have been observed and no violations or the like have been committed during the five-year period preceding the date of application.

2-2. Quality Criteria and Certification Procedure

- (9) The quality of the Product shall conform to JIS A 5705.

[Certification Procedure]

The Applicant shall submit a document certifying the test results and other data to show conformance with JIS A 5705. In the event the Product or the manufacturing site of the Product has been certified by JIS, submission of a copy of certificate issued by JIS shall suffice for the aforesaid purpose.

Attached Table1 CFC's prohibited to use during manufacturing resin foam

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			

Category D-1 Non Slip Stair Treads

1. Applicable Scope

- Non slip stair treads

2 Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) For the plastic products, the weight percentage of recycled plastic shall be no less than 50% for the total weight of the product (excluding small accessories such as a screw). For the rubber products, the weight percentage of recycled rubber shall be no less than 10% for the total weight of the product (excluding small accessories). Elastomer is regarded as rubber.

[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 conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 2 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, and selenium among the specified hazardous substances listed therein.

However, this item is not applicable for metals.

[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 organization 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) In case the Product contains as a prescribed constituents any plastic material that has a halogen in the polymer skeleton, at least 70% of the plastic part of the Product after use shall be recovered. Furthermore, at least 70% of such recovered plastic part shall be directed to material recycling. For the plastic product with use of halogen, however, the average length of year to use is 20 years and over, this item is not applicable.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether this criteria applies to the Product or not, and, if affirmative, shall submit a document ensuring that proper recovery and recycling will be made at the time of Product disposal, or continuous use of 20 years and over. This Office reserves the right to ask the Applicant to present reports on the recovery ratio (or to conduct audit) after the conclusion of the license agreement, for which the Applicant assumes the obligation to cooperate.

- (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. For the installation part, notes for installation in terms of the consideration for use of visually-impaired person (example: arrangement, color contrast for person with reduced vision, etc.) shall be indicated.

[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) Applicable environmental laws and regulations, pollution prevention agreements and any other requirements shall have been observed in the course of the Product manufacture with respect to air pollution, water contamination, noise, vibration, obnoxious odor, emission of hazardous substances, etc.

[Certification Procedure]

The Applicant shall submit a statement signed by the general manager of the manufacturing site of the Product declaring that all applicable environmental laws and regulations and the like have been observed and no violations or the like have been committed during the five-year period preceding the date of application.

2-2. Quality Criteria and Certification Procedure

- (6) 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.

Category D-2 Braille Tacks

1. Applicable Scope

- Braille tacks
- Braille sheets

2 Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) For the products, the weight percentage of recycled plastic shall be no less than 50% for the total weight of the product.

[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 conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 2 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, and selenium among the specified hazardous substances listed therein.
However, this item is not applicable for metals.

[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 organization 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) In case the Product contains as a prescribed constituents any plastic material that has a halogen in the polymer skeleton, at least 70% of the plastic part of the Product after use shall be recovered. Furthermore, at least 70% of such recovered plastic part shall be directed to material recycling. For the plastic product with use of halogen, however, the average length of year to use is 20

years and over, this item is not applicable.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether this criteria applies to the Product or not, and, if affirmative, shall submit a document ensuring that proper recovery and recycling will be made at the time of Product disposal, or continuous use of 20 years and over. This Office reserves the right to ask the Applicant to present reports on the recovery ratio (or to conduct audit) after the conclusion of the license agreement, for which the Applicant assumes the obligation to cooperate.

- (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. For the installation part, notes for installation in terms of the consideration for use of visually-impaired person (example: arrangement, color contrast for person with reduced vision, etc.) shall be indicated.

[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.

2-2. Quality Criteria and Certification Procedure

- (9) The quality of the Product shall conform to the JIS T 9251 "Dimensions, size and patterns of raised part of tactile ground surface indicators for visually disabled", etc.

[Certification Procedure]

The applicant shall submit a certification to show conformance with the applicable JIS standards.

Category D-3 Access Floor

Japan Environment Association
Eco Mark Office

1. Applicable Scope

- Components of access floor
Standards of Japan Access Floor Association (JAFA)

2 Certification Criteria and Certification Procedure

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

2-1. Environmental Criteria and Certification Procedure

- (1) For the products, the weight percentage of recycled materials shown in Table 1 shall be no less than 50% for the total weight of the product.

Table 1 Types of recycled materials

Name of recycled materials	
Recycled plastic	Coal ash
Recycled rubber	Glass cullet
Slag (Blast-furnace slag, iron and steel slag, molten slag, etc.)	
Eco-cement	Waste gypsum

[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 conform to the standards concerning elusion of heavy metals and other hazardous substances that are set forth in Attached Table 2 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, and selenium among the specified hazardous substances listed therein. In case to use slag and/or cement as recycled materials, the product shall conform to the standards with respect to boron and fluorine. However, this item is not applicable for metals, paper, fiber and wood.

[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 organization 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 Product shall not contain asbestos. The Product that is made of gypsum board recycled from the waste generated in connection with building demolition shall be made free of products that are known to have contained asbestos, arsenic, or cadmium through the process of sorting and removal. On the subject of specific waste gypsum boards to be eliminated, the Applicant should refer to “On the Inclusion of Asbestos in Gypsum Boards) published by the Gypsum Board Industry Association, “Proper Handling of Hazardous Substances and the Like Associated with Building Demolition and the Like” published by the Construction By-products Recycling Promotion Conference, and other pertinent documents.

No analysis shall be required if the Product is made of gypsum board that is recycled from the waste coming out of the manufacturing process of gypsum board processing plants or generated at a new building construction site, because the recycled material does not contain asbestos.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form the conformance (or lack thereof) to this criteria or shall show conformance by way of testing. When showing conformance by way of testing, the Applicant shall submit a document certifying the results of tests conducted by an independent testing organization or by a public body. The asbestos content shall be measured in accordance with JIS A 1481 “Measuring

Method for Asbestos Content in Building Materials.” Judgment as to the presence of asbestos shall be made pursuant to the Instruction Letter No.0821002 of the Labour Standards Bureau of the Ministry of Health, Labour and Welfare dated August 21, 2006 titled “On the Analysis Method of Asbestos Content in Building Materials” and the Instruction Letter No.0821001 of the said Bureau dated the same day titled “On the Points to Be Noted in Relation to the Analysis Method of Asbestos Content in Building Materials.”

- (4) No foamed resins used in the Product shall have been made by the use of any of the five specified CFCs listed in the Attached Table 1, other CFCs, carbon tetrachloride, trichloroethane, or CFC substitutes (HCFC, HFC).

[Certification Procedure]

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

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

- (6) Applicable environmental laws and regulations, pollution prevention agreements and any other requirements shall have been observed in the course of the Product manufacture with respect to air pollution, water contamination, noise, vibration, obnoxious odor, emission of hazardous substances, etc.

[Certification Procedure]

The Applicant shall submit a statement signed by the general manager of the manufacturing site of the Product declaring that all applicable environmental laws and regulations and the like have been observed and no violations or the like have been committed during the five-year period preceding the date of application.

2-2. Quality Criteria and Certification Procedure

- (7) The quality of the Product shall conform to the Standards of Japan Access Floor Association (JAFA) “Standards for components of access floor (February, 2003)” or the applicable in-house standards.

[Certification Procedure]

The Applicant shall submit a document showing conformance to the Standards of Japan Access Floor Association (JAFA) “Standards for components of access floor (February, 2003)” or the applicable in-house standards.

Attached Table1 CFC's prohibited to use during manufacturing resin foam

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	

Category D-4 Folding Doors

Japan Environment Association
Eco Mark Office

1. Applicable Scope

□ Folding doors

It is a product to be held by hanger rails, and has an elastic mechanism with constant pitch. However, the product with use of electricity is not applicable to this item.

2. Certification Criteria and Certification Procedure

2-1. Environmental Criteria and Certification Procedure

- (1) For the products, the total weight percentage of recycled plastic or recycled fiber shall be no less than 50% for the total weight of the product (excluding hanger rails, elastic mechanism, frame, etc.).

[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) For the product, the dye shown in Attached Table 1 shall not be added in fiber as prescribed components.

[Certification Procedure]

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

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

However, this item is not applicable for metals, paper, fiber and wood.

[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 organization 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.

- (4) Products for which adhesives or paints have been used shall have no emission of toluene or xylem 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 results conducted by an own company or a third party testing body for emission of toluene and xylem. In the event neither toluene nor xylem is added to the Product, adhesives or paints as prescribed components, the aforesaid test may be exempted and the Applicant shall submit a document substantiating no addition of the said substances.

- (5) In the case of Products for which adhesives or paints have been used, with respect to the question of formaldehyde emission, the product or used adhesives or used paints shall 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 “Measuring methods for emission of volatile organic chemicals (VOC), formaldehyde and other carbonyl compounds—small chamber method.”

Provided however the following alternatives 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.

- (6) In case the Product contains as a prescribed constituents any plastic material that has a halogen in the polymer skeleton, at least 70% of the plastic part of the Product after use shall be recovered. Furthermore, at least 70% of such recovered plastic part shall be directed to material recycling. For the plastic product with use of halogen, however, the average length of year to use is 20 years and over, this item is not applicable.

[Certification Procedure]

The Applicant shall state in the Attached Certificate form whether this criteria applies to the Product or not, and, if affirmative, shall submit a document ensuring that proper recovery and recycling will be made at the time of Product disposal, or continuous use of 20 years and over. This Office reserves the right to ask the Applicant to present reports on the recovery ratio (or to conduct audit) after the conclusion of the license agreement, for which the Applicant assumes the obligation to cooperate.

- (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 recyclable after use. The product made with multiple materials, the separation method for different materials shall be considered to be easily conducted.

[Certification Procedure]

The applicant shall explain the recycling method for main materials, and separation method for different materials.

- (9) The applicant shall have repair system for the Eco Mark certified products. The system shall be the following 1) and/or 2). 1) The product can be repaired, and the applicant shall repair the product corresponding to the users' request for at least 10 years after production stoppage of the applied product. 2) The product shall be designed that users can replace the damaged parts, and the corresponding parts shall be provided at least 10 years after production stoppage of the applied product.

[Certification Procedure]

The applicant shall submit the following certification or material to certify the repair system for the Eco Mark certified product.

1) The applicant shall submit certificate to indicate that repair of the applied product is conducted corresponding to the users' request for at least 10 years after production stoppage.

2) The following certificate or material shall be submitted.

The applicable part to show the fact that a user can easily refer to information about repair system (trouble shooting method for users, target

scope of repair, duration requiring for repair, contact address, telephone number, etc.) in a handling manual, product labeling, pamphlet, etc.

- Explanatory document to show that the repair parts can be provided at least 10 years after production stoppage of the applied product
- Explanatory document to show the handling procedures (from order of repair part by a user to delivering the repair part to a user) and required duration of time

- (10) Applicable environmental laws and regulations, pollution prevention agreements and any other requirements shall have been observed in the course of the Product manufacture with respect to air pollution, water contamination, noise, vibration, obnoxious odor, emission of hazardous substances, etc.

[Certification Procedure]
 The Applicant shall submit a statement signed by the general manager of the manufacturing site of the Product declaring that all applicable environmental laws and regulations and the like have been observed and no violations or the like have been committed during the five-year period preceding the date of application.

2-2. Quality Criteria and Certification Procedure

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

[Certification Procedure]
 The applicant shall submit a certification to show conformance with the applicable JIS standards.

Established (Version 2.0): May 5, 2007

Revised (Version 2.3): XX YY, 2007

Term of validity: December 31, 2012

Certification Criteria of this Product Category shall be revised as needed.

Attached Table 1

Dye

The following dyes shown in a. b. and c. shall not be added as prescribed components.

For fibers other than wool, chromium dye shall not be added as prescribed components.

Certification Procedure: Certificate issued by a manager of dye plant shall be submitted.

a. Azo Dyes which may Generate the Following Carcinogenic Amines in Degradation (Products detected with over 30 mg/product kg of more than one of the following amines using analysis methods prescribed in the List of Public Test Methods based on Article 35 of the German Food and Sundries Law)

Carcinogenicity Rank (A1)		
92-67-1	4-aminobiphenyl	C1 (EU), 1(NTP, IARC)
92-87-5	Benzedrine	C1 (EU), 1(NTP, IARC)
95-69-2	4-chloro-o-toluidine	2A(NTP, IARC)
91-59-8	2-naphthylamine	C1 (EU), 1(NTP, IARC)
Carcinogenicity Rank (A2)		
97-56-3	o-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-dichlorbenzidine	C2 (EU), 2B(NTP, IARC)
119-90-4	o-dianisidine; 3,3'-Dimethoxybenzidine	C2 (EU), 2B(NTP, IARC)
119-93-7	o-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	p-cresidine	2B(NTP, IARC)
101-14-4	4,4'-diamino-3,3'-dichlorodiphenylmethane	C2 (EU), 2A(NTP, IARC)

101-80-4	4,4'-diaminodiphenylether	2B(NTP, IARC)
139-65-1	4,4'-diaminodiphenylsulfide	2B(NTP, IARC)
95-53-4	o-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	o-anisidine	C2 (EU), 2B(NTP, IARC)
95-68-1	2,4-xylydine	3(NTP, IARC)
87-62-7	2,6-xylydine	2B(NTP, IARC)
60-90-3	4amino-azo-benzen	C2 (EU)

b. Carcinogenic Dyes

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		C2, R3 (EU), 2A(NTP, IARC), Oeko-Tex (CI 22610)
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
	C.I. DISPERSE YELLOW 3	CI 11855	Oeko-Tex

c. Skin Sensitizing Dyes

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505	ETAD, Oeko-Tex
	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
	C.I. DISPERSE BLUE 1	CI 64500	Oeko-Tex
	C.I. DISPERSE BLUE 7	CI 62500	Oeko-Tex
	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
	C.I. DISPERSE RED 11	CI 62015	Oeko-Tex
	C.I. DISPERSE RED 17	CI 11210	Oeko-Tex
	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

Source: 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 the Dyes and
Organic Pigments Manufacturers (ETAD)
Oeko-Tex STANDARD 100