

# Eco Mark Product Category No. 124

## “ Glass Products Version2.0” Certification Criteria (Draft)

### Applicable Scope

- A. Glass Bottles
- B. Plate Glass
- C. Safety Glass for Road and Railway Vehicles
- D. Electrical glass
- E. Glass for Physics and Chemistry and Medical Use
- F. Glass Filaments

Established: May 1, 2007  
Term of validity: April 30, 2012

Japan Environment Association  
Eco Mark Office

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

# Eco Mark Product Category No. 124

## “ Glass Products Version2.0”

### Certification Criteria

#### B. Plate Glass

Japan Environment Association  
Eco Mark Office

#### 1. Applicable Scope

The present standard applies to the products which fall under the following (material shall be limited to soda-lime glass).

“Float Glass and Polished Plate Glass” JIS R 3202

“Patterned Glass” JIS R 3203

“Wired Glass” JIS R 3204

“Laminated Glass” JIS R 3205

“Tempered Glass” JIS R 3206

“Heat Absorbing Glass” JIS R 3208

“Solar Reflective Glass” JIS R 3221

“Glass Mirror, Unworked” JIS R 3220

“Heat-strengthened glass” JIS R3222

#### 2. Certification Criteria and Certification Procedure

For certification of compliance to each criterion item, submit the attached certificate.

##### 2-1. Environmental Criteria and Certification Procedure

- (1) The product shall contain 10% or more (by weight) glass cullet. However, this shall not apply to solar reflective glass.

[Certification procedure]

Enter the glass cullet content in the attached certificate and submit the certificate.

- (2) The solar reflective glass shall provide not more than 0.4 solar radiation heat acquisition rate.

[Certification procedure]

Enter the solar radiation heat acquisition rate in the attached certificate. The test method and calculation method shall conform to JIS R 3221.

- (3) Additives (coloring agents, etc.) used in the product shall not contain cadmium, lead, mercury, hexavalent chromium, arsenic, selenium, and their compounds as prescription constituents.

[Certification procedure]

Enter the use or no-use of the applicable substance in the attached certificate and submit the ingredient table issued by the manufacturing business of additives (coloring agents, etc.) or MSDS (safety data sheet of chemical substances, etc.), too.

- (4) Safety of the product shall be verified and explained (elution of cadmium, lead, total mercury, hexavalent chromium, arsenic, and selenium). The elution of the relevant substance shall conform to the requirements of Attached Table 2 provided in Enforcement Regulations of Soil Contamination Countermeasures Law (MOE Ordinance No. 29 issued on December 26, 2002).

[Certification procedure]

Submit the test results by a third-party institution or by your company with respect to the elution of the relevant substance from the product.

- (5) The production process shall conform to relevant environment regulations and agreements on preventing air pollution, water contamination, noise, vibration, odor and emission of hazardous materials.

[Certification procedure]

Submit a certificate issued by a director of the plant where the product is manufactured, stating that the environmental regulations in the region in which the glass manufacturing plant is located have been observed for past 5 years since the application and the plant has not violated any of the regulations, etc.

- (6) The product must be able to separate dissimilar material set forth in Table 1 so that the product can be easily recycled as sheet glass material after use. However, glass mirror, shall not be subject to this item.

Table 1 Dissimilar material to be separated

Dissimilar material	Applications of glass to be used
Intermediate membrane	Laminated glass, security glass, soundproof glass, etc.
Wire mesh, wire rod	Wired glass
Metal tape	Heat-resistant tempered glass, etc.

[Certification procedure]

Explain the separation method of dissimilar material of Table 1.

## 2-2. Quality Criteria and Certification Procedure

- (7) The product quality shall conform to JIS standards.

[Certification procedure]

Submit test results (a copy of JIS-certified plant is acceptable) that evidence the conformance to the applicable JIS standards.

To be established on May 1, 2007 (Version 2.0)

To be expired on April 30, 2012

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