

EL508. Filters for Air Cleaners

[EL508-1992/4/2001-107]



1. Scope

The criteria shall apply to dry or moist filters for air cleaners that are used for the engine of cars or farm machines (tractors, cultivators, etc.) with 50 horsepower or less.

2. Definitions

2.1

“Waste materials” refer to both ‘post-consumer waste materials’ and ‘pre-consumer waste materials’.

2.2

“Post-consumer waste materials” refer to waste materials used and discharged after normal distribution processes.

2.3

“Pre-consumer waste materials” refer to materials which are not used as normal materials due to scraps, etc. during the production. However, materials are generated from the production and are used for the same process, shall be excluded.

3. Certification Criteria

3.1 Environmental Criteria

3.1.1

Products using recycled waste materials (waste cotton, waste fiber) shall comprise the waste materials of 60 % or more by weight.

3.1.2

Products with replacing paper filters shall comply with the following requirements.

3.1.2.1

The main body of product shall have a structure in which paper filters are easily assembled.

3.1.2.2

The paper filters for replacement shall have the same structure and capacity with the filter papers of original product.

3.2 Quality Criteria

The results of ventilation resistance, initial clarifying performance, life clarifying performance, restoring force, rupture and distortion tests shall comply with the quality regulations of KS R 3029 (Air Cleaner filters for Engines).

3.3 Information for Consumers

Information on a collection system for discharged products and the use of replacing parts. (It is only for a product with replacing paper filters.)

4. Test Methods

Certification Criteria	Test and Verification Methods
Environmental Criteria	Verification of submitted documents
Quality Criteria	Test report by an accredited testing laboratory in accordance with the KS R 1041 (Test methods of air cleaners for automobiles) or certificate of equivalent
Consumer Information	Verification of submitted documents

4.1 General Matters

4.1.1

One test sample for each applied product is required in principle with the exception that more than one test sample is necessary.

4.1.2

Samples for test shall be collected at random by a certification institute from products in market or those in storage at the production site.

4.1.3

Test result shall be numerically set according to KS Q 5002 (Statistical interpretation method of the data – Part 1: Statistical description of the data).

5. Reasons for Certification

5.1

Products recycling waste materials: “Use of recycled materials”

5.2

Products with replacing paper filters: “Resource-saving, less wastes”

Common Criteria, Notice No. 2012-36, the Ministry of Environment

1. Eco-label products must follow the following provisions with regard to the proper treatment of environmental pollution substances, such as air and water wastes and noxious chemical substances emitted in the process of manufacturing or service operation.

A. When first applying for certification, the product manufacturer should observe the environment related laws and agreements pertaining to the region where the production factory or the place of service operation is located for a period of one year prior to the date of application. Any case of violation of the penalty clause will be verified by confirming documents involved during a period of one year to the date of application. Regarding any violation not related to the penalty clause, confirmation will be made on the completion of appropriate measures.

B. A person who has received a certification of eco-labeling shall observe the environment related laws and agreements pertaining to the region where the production factory or the place of service operation is located during the period of certification. However, regarding any violation besides a penalty, confirmation will be made on the completion of appropriate measures.

2. As a general rule, information for consumers shall be indicated on the surface of the product in such a way not to be easily erased. However, in case that indication on the surface of the product is impossible or undesirable, it can be indicated on the appropriate part such as product packaging, product guidebook and user's manual that consumers can recognize. However, the service information should be indicated inside and outside of the place of service operation. In case that indication inside and outside of the place of service operation is impossible or undesirable, it can be indicated on the appropriate part such as an agreement, letter of delivery, letter of guarantee, and PR materials that consumers can recognize.

3. In order to establish fair trade and to protect consumer, the applicant for eco-label and the holder of eco-label license shall observe the Act on the Fairness of

Indication and Advertisement with respect to the environmental aspects of the product.

4. For Various standards referred in the certification criteria by target product, the latest revised edition applies at the date of application, if not specified otherwise.

5. In applying the quality related criteria for each target product, if no standard is available that can be applied as the quality criteria, the president of Korea Environmental Industry & Technology Institute (KEITI) (hereafter referred to as "president of KEITI") may establish and operate the quality criteria for the product involved after review by a competent committee.