

Hong Kong Green Label Scheme
Product Environmental Criteria for
PVC Pipe and Fitting (GL-002-002)



BACKGROUND

The Hong Kong Green Label Scheme (HKGLS) is an independent and voluntary scheme, which aims to identify products that are, based on life cycle analysis consideration, more environmentally preferable than other similar products with the same function. The Scheme is organized by the Green Council (GC) with contributions from the HKGLS Advisory Committee and a number of supporting organizations.

The prime objectives of HKGLS are:

- For Consumers: assist in making purchases of products that are less harmful to the environment;
- For Industry: stimulate development and production of environmentally preferable alternatives.

This specification sets out the requirements that PVC pipe and fitting with recycled content will be required to meet in order to be licensed to use the HKGLS label. The requirements include environmental criteria and product characteristics. The specification also defines the testing and other means to be used to verify conformance with the environmental criteria and product characteristics.

POTENTIAL ENVIRONMENTAL IMPACTS

Plastic wastes contribute significantly to the solid waste in our landfills. Reduce the volume of waste plastic through recycling will both reduce the amount of plastic entering the waste stream and reduce the consumption of non-renewable plastic resources.

LABEL OBJECTIVE

The aim of the environmental criteria developed for PVC pipe and fitting with recycled content is to:

- Promote the manufacture of environmental plastic products from plastic wastes.
- Reduce the amount of plastic entering the waste stream.
- Help reduce non-renewable virgin plastic resources.

PRODUCT DEFINITION

This document and all product environmental criteria therein apply to all PVC pipe and fitting with recycled contents.

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PRODUCT ENVIRONMENTAL CRITERIA

The table below sets out the environmental criteria for the product category of PVC pipe and fitting (GL-002-002) under the HKGLS.

Criteria	Verification Method
1. The plastic product shall contain at least 50% by weight of plastic wastes (See Note 1).	C,D
2. The product shall be marked with and appropriate plastics resin identification code.	B
3. The product shall have no lead or cadmium added by the manufacturer.	C,D
4. The product shall not be impregnated, labeled, coated or otherwise treated in a manner which would prevent recycling.	B
5. General packaging requirements (Refer to criteria for packaging materials : GL-Packaging)	B,C,D

Legend:

A - Analytical testing shall be performed by laboratories that meet the requirement laid out in the EN45001 standards or any equivalent systems (e.g. HOKLAS, IEC/ISO 17025).

B – Inspection of product samples

C- Review of supporting information as required by the GC

D – Interviews with relevant personnel and/or site visits to relevant facilities

Note 1 : Product Performance Standards

For some special PVC products, product performance standards set maximum recycled content requirements. Where this is the case, the maximum limit set in the relevant standard will apply as the minimum recycled content acceptable for award of the green label.