

BLUE ANGEL

The German Ecolabel



Low-noise Waste-Glass Containers for Noise-Sensitive Areas

DE-UZ 21

Basic Award Criteria

Edition January 2011

Version 6

The Environmental Label is supported by the following four institutions:



The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety is the owner of the label. It regularly provides information on the decisions taken by the Environmental Label Jury.



The German Environmental Agency with its specialist department for "Ecodesign, Eco-Labeling and Environmentally friendly Procurement" acts as office of the Environmental Label Jury and develops the technical criteria of the Basic Criteria for Award of the Blue Angel.



The Environmental Label Jury is the independent, decision-making body for the Blue Angel and includes representatives from environmental and consumer associations, trade unions, industry, the trade, crafts, local authorities, academia, the media, churches, young people and the German federal states.



The RAL gGmbH is the awarding body for the Environmental Label. It organises the process for developing the relevant award criteria in independent expert hearings – which involve all relevant interest groups.

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- Prolongation for 4 years without any change**
- Prolongation for 4 years without any change until 31-12-2019**
- Prolongation for 4 years without any change until 31-12-2023**
- Prolongation for 1 year without any change until 31-12-2024**
- Prolongation for 1 year without any change until 31-12-2025**
- Prolongation for 1 year without any change until 31-12-2026**

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This document is a translation of a German original. In case of dispute, the original document should be taken as authoritative.

1 Preliminary Remarks:

- 1.1** In cooperation with the Federal Minister for the Environment, Nature Conservation and Nuclear Safety, the Federal Environmental Agency and considering the results of the expert hearings conducted by RAL gGmbH, the Environmental Label Jury has set up these Basic Criteria for the Award of the Environmental Label.

RAL gGmbH, has been entrusted with the award of the Environmental Label.

Upon application to RAL and on the basis of a Contract on the Use of the Environmental Label to be concluded with RAL the permission to use the Environmental Label may be granted for all products, provided that they comply with the requirements as specified hereinafter.

- 1.2** The collection of waste glass may entail noise disturbances for those living near the sites of such containers. Noise-absorbing containers can help to ease the problem. Their design must be such as to make sure that certain maximum values are not exceeded during filling.

2 Scope

These Basic Criteria shall apply to all forms of "Waste-Glass Containers" featuring certain noise-reducing properties.

3 Requirements

The above-shown Environmental Label may be used for the marking of the waste-glass containers under paragraph 2 provided that they comply with the following requirements:

- 3.1** The following sound-intensity-levels $L_{WAd,SEL}$ must be ≤ 91 dB (A) by EC Directive 2000/14/EC.
The noise emission values shall be determined according to paragraph 4.
- 3.2** The applicant indicates the type of the materials used and the type of noise absorption equipment of the waste-glass container.
- 3.3** The applicant shall put a two-year guarantee on the technical effectiveness and durability of the noise-reducing features of the waste-glass containers, provided that they are properly used.
- 3.4** The applicant shall accept the return of his/her waste-glass containers marked with the Environmental Label.
- 3.5** The applicant undertakes to refrain from affixing oversized Environmental Labels. They shall not be bigger than the type plate, i.e. 10 cm x 10 cm at the most, and they shall be placed next to the type plate.

4 Measurements

Measurement bases and measurement instructions are in line with EC Directive 2000 / 14 / EC for Waste-glass Containers (item number 22) Annex III, Part A and Part B. The measurement method is described in ISO 3744. The task is to determine the sound power level ($L_{WAd,SEL}$).

Notice:

The notice „avoid, if possible, the bottle hitting against the walls“ included in the measurement instructions for the throwing of bottles into the container pursuant to EC Directive 2000/14/EC shall be left out of consideration for the Environmental Label. If such hitting against walls or bottom or any bursting of bottles occurs these measurement values shall be included into the measurement.

5 Compliance Verifications

5.1 Applicant shall prove compliance with the noise requirements as specified in paragraph 3 by submitting a test report (Appendix to the Basic Criteria for the Award of the Environmental Label RAL-UZ 21) prepared by a recognized measuring institute pursuant to Section 26 of the Bundes-Immissionsschutzgesetz (Federal Immission Control Act).

Such institute shall carry out the measurement in accordance with para. 4.

5.2 Applicant shall indicate the type of the materials used.

5.3 Applicant shall declare compliance with the requirements as specified in paras. 3.3 to 3.5.

6 Applicants and the Parties Involved

6.1 Manufacturers, suppliers and installing companies of waste-glass containers shall be eligible for application.

6.2 Parties involved in the award process

- RAL gGmbH to award the Blue Angel Eco-Label,
- the federal state where applicant's production site is located,
- Umweltbundesamt (Federal Environmental Agency) which, after signing of the contract, receives all data and documents submitted in application for the *Blue Angel* in order to be able to proceed with the development of the Basic Award Criteria.

7 Use of the Environmental Label

7.1 The terms governing applicant's use of the Environmental Label shown on page 1 are stipulated by a Contract on the Use of the Environmental Label to be concluded with RAL gGmbH.

7.2 Within the scope of such contract the applicant undertakes to comply with the requirements under para. 3 as long as he/she makes use of the Environmental Label.

7.3 For the marking of products according to para. 2 above Contracts on the Use of the Environmental Label are concluded. These contracts shall run until December 31, 2026. They shall be extended by periods of one year each, unless the contract is terminated in writing by march 31, 2026 or by march 31 of the respective year of extension.

After the expiry of the contract the Environmental Label may neither be used for labelling nor for advertising purposes. This regulation shall not affect the products being still in the market.

7.4 The contract on the use of the Environmental Label shall give the following particulars:

7.4.1 Applicant (manufacturer/supplier/installing company)

7.4.2 Brand/trade name and type of design.

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