

Stationary waste containers —

Part 2: Performance requirements and test methods

The European Standard EN 12574-2:2006 has the status of a
British Standard

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National foreword

This British Standard is the official English language version of EN 12574-2:2006. It supersedes BS EN 12574-2:2002 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee B/508, Waste management, to Subcommittee B/508/1, Waste containers and associated lifting devices on refuse collection vehicles, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

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English Version

Stationary waste containers - Part 2: Performance requirements and test methods

Conteneurs fixes à déchets - Partie 2: Exigences de
performance et méthodes d'essais

Stationäre Abfallsammelbehälter - Teil 2: Anforderungen an
die Ausführung und Prüfverfahren

This European Standard was approved by CEN on 28 December 2005.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This European Standard (EN 12574-2:2006) has been prepared by Technical Committee CEN/TC 183 "Waste management", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2006, and conflicting national standards shall be withdrawn at the latest by August 2006.

This European Standard supersedes EN 12574-2:2002.

This European Standard is one part of the series of standards of EN 12574 about "Stationary waste containers" comprising the following Parts:

- Part 1: Containers with a capacity up to 10 000 l with flat or dome lid(s), for trunnion, double trunnion or pocket lifting device — Dimensions and design;
- Part 2: Performance requirements and test methods;
- Part 3: Safety and health requirements.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This part of EN 12574 specifies the test methods for stationary waste containers (in the text also called containers) according to EN 12574-1. It also specifies the target requirements to be reached either during or after the tests.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1501-1, *Refuse collection vehicles and their associated lifting devices — General requirements and safety requirements — Part 1: Rear-end loaded refuse collection vehicles*

EN 1501-2, *Refuse collection vehicles and their associated lifting devices — General requirements and safety requirements — Part 2: Side loaded refuse collection vehicles*

prEN 1501-3, *Refuse collection vehicles and associated lifting device — General requirements and safety requirements — Part 3: Front loaded refuse collection vehicles*

EN 10327, *Continuously hot-dip coated strip and sheet of low carbon steels for cold forming — Technical delivery conditions*

EN 12574-1:2006, *Stationary waste containers — Part 1: Containers with a capacity up to 10 000 l with flat or dome lid(s), with trunnion, double trunnion or pocket lifting device — Dimensions and design*

EN ISO 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:1994, including Amendment 1:1998)*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461:1999)*

EN ISO 8256, *Plastics — Determination of tensile-impact strength (ISO 8256:2004)*

ISO 2081, *Metallic coatings — Electroplated coatings of zinc on iron or steel*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 12574-1:2006 apply.

4 Tests

4.1 General

Before and after the tests a visual inspection of the container has to be done for the purpose of:

- a) checking that the container is not damaged and has no visual defect;
- b) checking that the manufacturing characteristics of the container to be tested are those specified in EN 12574-1;

- c) comparing the condition of the container before and after the sequence of tests.

After completing the tests some deformation of the container is permissible, however, it shall remain entirely functional.

4.2 Control before the tests

4.2.1 Visual aspects

No damage, no cracks, bubbles, large flashes or sharp edges shall be present. No surface defects (unsmooth areas; trails in colour) perceivable from a distance of 1 metre by a naked eye shall be visible.

4.2.2 Correspondence with EN 12574-1

4.2.2.1 Components

Body, lid, wheels and other fittings shall be tested in line with the relevant container standard.

4.2.2.2 Sizes and dimensions

Dimensions of the containers and components shall correspond to EN 12574-1.

4.2.2.3 Capacities

Capacities of the container and its parts shall correspond to EN 12574-1.

- a) for the body, by tank method (see 4.2.2.4), up to 1 700 l, and by calculation for containers over 1 700 l;
- b) for the lid, if possible by tank method (see 4.2.2.4), if not by calculation;
- c) for the container, add the results obtained in a) and b) minus any duplicated capacities.

4.2.2.4 Tank method

The test equipment shall consist of a tank with sufficient capacity to receive the container to be tested.

The test procedure is as follows:

- a) place the empty container in a tank, the container shall not be inclined;
- b) simultaneously fill the tank and the container with water at a temperature of $(15 \pm 5) ^\circ\text{C}$;
- c) measure the quantity of water inside the container.

The result of measurement shall be ± 1 % of the stated capacity of the container.

4.2.3 Masses limit deviations

The limit deviations on the container mass claimed are as follows: for plastic containers ± 5 % and for metal containers ± 10 %.

4.2.4 Colour

The colour shall be defined and agreed upon between customer and supplier.