



**NSAI**  
Standards

Irish Standard  
I.S. EN 840-1:2020

# Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices - Dimensions and design

**I.S. EN 840-1:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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## National Foreword

I.S. EN 840-1:2020 is the adopted Irish version of the European Document EN 840-1:2020, Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for combusting devices - Dimensions and design

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**EUROPEAN STANDARD**

**EN 840-1**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

April 2020

ICS 13.030.40

Supersedes EN 840-1:2012

English Version

## **Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices - Dimensions and design**

Conteneurs roulants à déchets et de recyclage - Partie 1  
: Conteneurs à 2 roues de capacité inférieure ou égale  
à 400 l pour lève-conteneurs à peigne - Dimensions et  
conception

Fahrbare Abfall- und Wertstoffbehälter - Teil 1:  
Behälter mit 2 Rädern und einem Nennvolumen bis  
400 l für Kammschüttungen - Maße und Formgebung

This European Standard was approved by CEN on 7 October 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## EN 840-1:2020 (E)

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## **European foreword**

This document (EN 840-1:2020) 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 October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 840-1:2012.

The main changes compared to the previous edition are listed below:

- a) Table 2 "Examples of the most frequent assignments of classes and volumes" has been added;
- b) Tables 3 and 4 have been revised and new recommendations were added;
- c) Figure 3 "Functional dimension for frontal receivers" has been updated;
- d) former Annex B "Recommendations for manufacturers of lifting devices" has been deleted;
- e) document has been editorially revised and brought in line with the state of the art.

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

## EN 840-1:2020 (E)

### 1 Scope

This document specifies dimensions and design requirements of mobile waste and recycling containers with 2 wheels, with capacity up to 400 l to be used by comb lifting devices.

These containers are only approved for the before explicitly mentioned lifting devices.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 840-5, *Mobile waste and recycling containers — Part 5: Performance requirements and test methods*

EN 840-6, *Mobile waste and recycling containers — Part 6: Safety and health requirements*

EN 1501-5:—<sup>1</sup>, *Refuse collection vehicles — General requirements and safety requirements — Part 5: Lifting devices for refuse collection vehicles*

EN ISO 11469, *Plastics - Generic identification and marking of plastics products (ISO 11469)*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

NOTE Terms for components of mobile waste and recycling containers and lifting devices in three languages are given in Annex A.

#### 3.1 **mobile waste and recycling container**

appropriately designed container fitted with wheels intended to temporarily store waste

#### 3.2 **lifting device**

structure which picks-up, tilts and empties containers

#### 3.3 **comb lifting device**

lifting device in which the picking-up system consists of a row of teeth and a locking system to retain the container during emptying

#### 3.4 **volume**

total space inside the container when the lid is closed

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<sup>1</sup> Under preparation. Stage at the time of publication: FprEN 1501-5.



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