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EN 840-6:2020, IDT
(ICS 13.030.40)

SINGAPORE STANDARD

Mobile waste and recycling containers

– Part 6 : Safety and health requirements

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National Foreword

This Singapore Standard was prepared by the Working Group on Waste Collection and Transportation Management set up by the Technical Committee on Circularity of Materials under the purview of the Environment and Resources Standards Committee.

This standard is a revision of SS EN 840-6:2014. It is an identical adoption of EN 840-6:2020, “Mobile waste and recycling containers – Part 6: Safety and health requirements”, and is adopted with permission of CEN, Rue de la Science 23 B - 1040 Brussels.

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- 3. Compliance with a SS or TR does not exempt users from any legal obligations.*

English Version

Mobile waste and recycling containers - Part 6: Safety and health requirements

Conteneurs roulants à déchets et de recyclage - Partie 6
: Exigences d'hygiène et de sécurité

Fahrbare Abfall- und Wertstoffbehälter - Teil 6:
Sicherheits- und Gesundheitsschutzanforderungen

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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Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and Definitions	4
4	General requirements of construction	4
5	Handles	5
6	Wheels	6
7	Direction block	6
8	Brakes	6
9	Edges	6
10	Lids	6
11	Cleaning	7
12	Instructions for use	7
Annex A (informative) A-deviations		8
Bibliography		9

European foreword

This document (EN 840-6:2020) 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 840-6:2012.

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

- a) the document has been editorially revised and Clause 3 "Terms and Definitions" added according to the new CEN Internal Regulation Part 3;
- b) former subclause 3.1 (now 4.1) has been revised;

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.

1 Scope

This document provides the essential safety, health and ergonomic requirements for mobile waste and recycling containers according to EN 840-1:2020 to EN 840-4:2020, not including hazardous wastes containers.

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 840-5:2020, *Mobile waste and recycling containers — Part 5: Performance requirements and test methods*

3 Terms and Definitions

No terms and definitions are listed in this document.

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>

4 General requirements of construction

4.1 The container shall be constructed so that when it is unloaded or loaded with a nominal mass, it has a secure fit on an approved compatible lifting device and shall be automatically locked safely into the lifting device during the tilting and emptying operation. The container shall be in static stability according to 4.8 of EN 840-5:2020.

4.2 The container shall be safely fitted to the lifting device of the vehicle without being carried or lifted manually.

4.3 Wheeled containers shall be constructed so that, under test conditions according to EN 840-5, the pushing and pulling forces to keep the container moving shall not exceed the values given in EN 840-5:2020, 4.9. Pushing and pulling forces shall be declared in the instructions for use (see Clause 12).

4.4 During construction of containers the following factors influencing measurable handling force shall be optimized:

- design of container as regards to form, size and position of centre of gravity in relation to positioning of wheels and handles;
- even distribution of loads on wheels;
- low rolling resistance.