



**NSAI**  
Standards

Irish Standard  
I.S. EN 16486:2014+A1:2020

# Machines for compacting waste materials or recyclable fractions - Compactors - Safety requirements

**I.S. EN 16486:2014+A1:2020**

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

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## National Foreword

I.S. EN 16486:2014+A1:2020 is the adopted Irish version of the European Document EN 16486:2014+A1:2020, Machines for compacting waste materials or recyclable fractions - Compactors - Safety requirements

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EUROPEAN STANDARD

**EN 16486:2014+A1**

NORME EUROPÉENNE

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English Version

## Machines for compacting waste materials or recyclable fractions - Compactors - Safety requirements

Machines de compactage pour déchets ou matières recyclables - Compacteurs - Prescriptions de sécurité

Maschinen zum Verdichten von Abfällen oder recyclebaren Materialien - Verdichter - Sicherheitsanforderungen

This European Standard was approved by CEN on 28 May 2014 and includes Amendment 1 approved by CEN on 7 March 2020.

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.

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## **EN 16486:2014+A1:2020 (E)**

### **European foreword**

This document (EN 16486:2014+A1:2020) has been prepared by Technical Committee CEN/TC 397 “Project Committee - Baling presses - Safety requirements”, 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of an identical text or by endorsement, at the latest by November 2020 and conflicting national standards shall be withdrawn at the latest by November 2020.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 A1 EN 16486:2014 A1.

This document includes Amendment 1 approved by CEN on 3 March 2020.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

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.



## **Introduction**

This European Standard is a type C standard as stated in EN ISO 12100:2010.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards for machines that have been designed and built in accordance with the provisions of this type C standard.

**EN 16486:2014+A1:2020 (E)****1 Scope**

This European Standard specifies the safety requirements for the design, manufacture and information for the safe use of compactors that compact waste material or recyclable fractions (e. g. paper, plastics, textiles, cans, cardboard, mixed waste), hereafter referred to as materials.

This European Standard applies to:

- compactors using a horizontally moving screw, pendulum or plate as compacting part and where the materials move horizontally; and
- compactors that are mechanically fed and/or fed by hand.

These compactors can be:

- static compactors;
- transportable compactors;
- traversing systems.

The scope includes:

- any integral mechanical feed equipment (e.g. bin lift);
- feed hoppers/openings;
- any integral pre-conditioning equipment in the hopper (e.g. perforators, pre-crushing devices and shredders);
- any integral material flow control equipment;
- the interface between the compactor and any feed equipment (except those excluded from the scope).

The scope of this European Standard does not cover:

- compactors that are covered by EN 1501 (all parts);
- underground compactors, however if these compactors can be used above ground this standard applies;
- compactors using thermal technologies for compaction;
- vacuum compactors;
- compactors where materials are compacted vertically;
- containers for static compactors, however the interface between the compaction unit and the container is included;
- bins in which materials are collected for feeding into the compactor;
- any up-stream pre-treatment equipment that is not integral to the machine and is used to treat the materials before they are fed into the feed opening of the compactor;

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