



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 13432:2001

ICS 13.030.99
55.020

**PACKAGING - REQUIREMENTS FOR
PACKAGING RECOVERABLE THROUGH
COMPOSTING AND BIODEGRADATION -
TEST SCHEME AND EVALUATION CRITERIA
FOR THE FINAL ACCEPTANCE OF
PACKAGING**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
February 16, 2001*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2001

Price Code H

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13432

September 2000

ICS 13.030.99; 55.020

Incorporating corrigendum June 2005

English version

**Packaging - Requirements for packaging recoverable through
composting and biodegradation - Test scheme and evaluation
criteria for the final acceptance of packaging**

Emballage - Exigences relatives aux emballages
valorisables par compostage et biodégradation -
Programme d'essai et critères d'évaluation de l'acceptation
finale des emballages

Verpackung - Anforderungen an die Verwertung von
Verpackungen durch Kompostierung und biologischen
Abbau - Prüfschema und Bewertungskriterien für die
Einstufung von Verpackungen

This European Standard was approved by CEN on 4 June 2000.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements	6
4.1 Control of constituents	6
4.2 Assessment	7
4.2.1 General	7
4.2.2 Characterization	7
4.2.3 Biodegradability	7
4.2.4 Disintegration	7
4.2.5 Compost quality	7
4.2.6 Recognizability	7
4.3 Exemptions	7
4.3.1 Equivalent form	7
4.3.2 Materials of natural origin	8
4.4 Recording of assessment outcome	8
4.4.1 Check list	8
4.4.2 Supporting documentation	8
4.5 Application	8
5 Organization of a test scheme	8
6 Laboratory tests on biodegradability	9
7 Determination of disintegration	9
8 Quality of the final compost	10
8.1 Rationale	10
8.2 Determination of negative effect	10
Annex A (normative) Evaluation criteria	11
Annex B (informative) Flow chart of evaluation of organic recoverability of packaging	13
Annex C (informative) Recommended format for a conformity assessment checklist	18
Annex D (informative) Prerequisites and quality of compost for evaluating composting of packaging	19
Annex E (normative) Determination of ecotoxic effects to higher plants	20
Annex Z (informative) Clauses of this European Standard addressing essential requirements or other provisions	21
Bibliography	22

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 261 "Packaging", the secretariat of which is held by AFNOR.

This European Standard 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(s).

For relationship with EU Directive(s), see informative Annex Z, which is an integral part of this standard.

This standard forms one of a series of standards and reports prepared under Mandate M 200 rev.3 given to CEN by the European Commission and the European Free Trade Association to support the European Council and Parliament Directive on Packaging and Packaging Waste [94/62/EC]. The procedure for applying this standard in conjunction with the other mandated standards and reports is specified in EN 13427.

This standard contains Annexes A and E which are normative and Annexes B, C, D and Z which are informative

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 March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

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

Introduction

The Directive on Packaging and Packaging Waste (94/62/EC) defines requirements for packaging to be considered recoverable. This standard amplifies these requirements with respect to organic recovery. The European Standard EN 13427:2000 provides a framework within which this and four other standards may be used together to support a claim that a packaging is in compliance with the essential requirements for packaging to be placed on the market as required by the Directive.

The purpose of packaging is the containment, protection, handling, delivery and presentation of products. Organic recovery of used packaging is one of several recovery options within the overall life cycle of packaging. In order to save resources and minimise waste, the whole system in which the packaging takes part should be optimised. This includes prevention as well as reuse and recovery of packaging waste.

This European Standard presents a framework for self-assessment to determine whether the requirements of this standard have been met. Its approach is similar to that of systems standards such as the EN ISO 9000 and EN ISO 14000 series.

Organic recovery of packaging and packaging materials, which includes aerobic composting and anaerobic biogasification of packaging in municipal or industrial biological waste treatment facilities is an option for reducing and recycling packaging waste. Using these biological technologies, the aims of the Directive 94/62/EC of the European Parliament and of the Council on Packaging and Packaging Waste (Brussels 5 December 1994) in this respect can be met.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-