



NSAI
Standards

Irish Standard
I.S. EN 14053:2003

Packaging - Packagings manufactured from corrugated or solid fibreboard - Types and construction

I.S. EN 14053:2003

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 14053:2003 is the adopted Irish version of the European Document EN 14053:2003, Packaging - Packagings manufactured from corrugated or solid fibreboard - Types and construction

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EUROPEAN STANDARD

EN 14053

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2003

ICS 55.160

English version

Packaging - Packagings manufactured from corrugated or solid fibreboard - Types and construction

Emballage - Emballages fabriqués à partir de carton ondulé
ou de carton compact - Modèles et construction

Packmittel - Verpackungen aus Well- oder Vollpappe - Typ
und Ausführungen von Schachteln

This European Standard was approved by CEN on 21 April 2003.

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 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 Management Centre 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14053:2003) has been prepared by [Technical Committee CEN /TC 261 "Packaging", the secretariat of which is held by AFNOR](#).

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 December 2003, and conflicting national standards shall be withdrawn at the latest by December 2003.

The standard is based on the already existing FEFCO-ASSCO International Fibreboard Case Code.

This code was originally developed and issued by the organizations FEFCO and ASSCO as a standardized system to substitute long and complicated verbal descriptions of fibreboard case and packaging constructions by simple symbols internationally understood by all, regardless of language and other differences.

An agreement has been made with the two organizations to use this market-related FEFCO-ASSCO code as a reference document for this European Standard.

[Annexes A and B of this European Standard are informative.](#)

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Efficient packaging is of great importance for the distribution and the protection of goods. Insufficient or inappropriate packaging can lead to damage or wastage of the contents of the pack.

The purpose of this European Standard is to describe construction elements for corrugated and solid fibreboard packagings by a simple code. Type, style and construction of a case or other packaging is described by a four figure code. It may be followed by extra digits, which will describe a manufacture's variation to a standard design. These extra digits may be specific to each manufacturer.

1 Scope

This European Standard describes basic types and constructions of corrugated or solid fibreboard packagings. Folding cartons are not covered by this European Standard.

2 Normative references

Not applicable.

3 Dimensions

NOTE 1 Dimensions of fibreboard may vary with variation in moisture content of the material. Accurate measurements of dimensions should therefore be performed under standard climatic conditions (Condition 50 % r.h./23 °C of EN ISO 2233).

NOTE 2 The external dimensions should be taken into consideration when using pallets or containers for distribution.

NOTE 3 The difference between the external and internal dimensions of the case depends on the thickness of the board and the number of plies present.

3.1 Case dimensions

Unless otherwise specified, the dimensions of the erected assembled case are expressed as internal dimensions in mm, and in the following order: $L \times B \times H$. The dimensions L , B and H are specified in each description of the case construction but refer normally to:

L (Length) = the longer dimension at the opening

B (Breadth) = the shorter dimension at the opening

H (Height) = the dimension from the top of the opening to the base

NOTE Dimensions should be measured on the flat blank from the centre of the creases taking into account the thickness of the material as appropriate.

3.2 Telescope type cases

For telescope-type cases the height (h) of the upper part (lid) should be given as a fourth measurement after an oblique stroke, e.g.

$355 \times 205 \times 120/40$ mm
 $(L) \times (B) \times (H)/(h)$

3.3 Cases with overlapping outer flaps

For cases with overlapping outer flaps the length of the overlap (o) should be given as a fourth measurement, e.g.

$355 \times 205 \times 120/40$ mm
 $(L) \times (B) \times (H)/(o)$

3.4 Sheet dimensions

NOTE Unless otherwise specified, the dimensions of a corrugated board sheet are expressed in mm.

3.4.1 Corrugated board sheet

1st dimension \times 2nd dimension = (CD \times MD) = (across the machine direction) \times (along the machine direction).

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