



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 13117-2:2000

ICS 55.160

**TRANSPORT PACKAGING – REUSABLE.  
RIGID PLASTICS DISTRIBUTION BOXES –  
PART 2 : GENERAL SPECIFICATIONS FOR  
TESTING**

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EUROPEAN STANDARD  
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English version

## Transport packaging - Reusable, rigid plastics distribution boxes - Part 2: General specifications for testing

Emballages de transport - Bacs de distribution en plastique,  
rigide, réutilisables - Partie 2: Specifications générales  
concernant les essais

Transportverpackung - Starre Mehrwegtransport- und  
Lagerkasten aus Kunststoff - Teil 2: Prüfverfahren

This European Standard was approved by CEN on 22 April 2000

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## 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 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

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.

No existing European standard is superseded by this standard.

This draft standard is part of a series of standards for transport packaging, the other part of which is as follows:

- Part 1: General purpose application

## Introduction

Standardization of reusable containers, especially for consumer goods, is a basic condition for economically and ecologically suitable goods traffic in Europe. An important subject is the use by any pool organization of reusable container systems which are thereby able to meet the following requirements:

- a) reduction of empty runs;
- b) improvement of transport space utilization;
- c) optimization of transport flows.

The last point will be influenced by legislation in the coming years. The EC Directive on Packaging and Packaging Waste includes the reuse of packaging as part of the strategy to reduce packaging waste. All systems concerning reusable containers therefore should operate within the framework provided by pool organizations because of synergetic effects throughout the transportation chain.

## 1 Scope

This standard specifies minimum performance requirements and methods of test for reusable rigid plastics transport packaging as specified in EN 13117-1.

Special applications such as heavy loads, low or high operating temperatures will require an agreement to be made between the supplier and the user to supply a box to satisfy his requirements.

### EXAMPLE:

- Heavy loads
- Metal components
- low temperatures below - 20 °C
- high temperatures above + 30 °C

## 2 Normative References

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

### EN 13117-1

Transport packaging – Reusable, rigid plastics distribution boxes – Part 1: General purpose application

### EN 22206

Packaging – Complete, filled transport packages – Identification of parts when testing (ISO 2206:1987)

### EN ISO 2233

Packaging – Complete, filled transport packages – Conditioning for testing (ISO 2233:1994)

### EN 22234

Packaging – Complete, filled transport packages – Stacking tests using static load (ISO 2234:1985)

### EN 22248

Packaging – Complete, filled transport packages – Vertical impact test by dropping (ISO 2248:1985)

### ISO 3394

Dimensions of rigid rectangular packages – Transport packages

## 3 Terms and definitions

For the purposes of this standard the terms and definitions given in EN 13117-1 apply.

## 4 Performance requirements

### 4.1 Surfaces

The box shall be free from foreign bodies, blowholes, cracks and burrs and granules which have not melted, as well as from other defects. Minor unevenness or sunken areas produced in processing are permissible provided that fitness for use is not adversely affected.

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