



SLOVENSKI STANDARD

SIST EN ISO 2233:2002

01-januar-2002

BUXca Yý U
SIST EN ISO 2233:2000

Embalaža - Celovita, napolnjena transportna embalaža - Kondicioniranje za preskušanje (ISO 2233:2000)

Packaging - Complete, filled transport packages and unit loads - Conditioning for testing (ISO 2233:2000)

Verpackung - Versandfertige Packstücke und Ladeeinheiten - Klimatische Vorbehandlung für die Prüfung (ISO 2233:2000)

Emballages - Emballages d'expédition complets et pleins et charges unitaires - Conditionnement en vue des essais (ISO 2233:2000)

Ta slovenski standard je istoveten z: EN ISO 2233:2001

ICS:

55.180.40	Celovita, napolnjena transportna embalaža	Complete, filled transport packages
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SIST EN ISO 2233:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2233

July 2001

ICS 55.180.40

Supersedes EN ISO 2233:1999

English version

**Packaging - Complete, filled transport packages and unit loads -
Conditioning for testing (ISO 2233:2000)**

Emballages - Emballages d'expédition complets et pleins et
charges unitaires - Conditionnement en vue des essais
(ISO 2233:2000)

Verpackung - Versandfertige Packstücke und
Ladeeinheiten - Klimatische Vorbehandlung für die Prüfung
(ISO 2233:2000)

This European Standard was approved by CEN on 9 June 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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

EN ISO 2233:2001 (E)**Foreword**

The text of the International Standard from Technical Committee ISO/TC 122 "Packaging" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 261 "Packaging", the secretariat of which is held by AFNOR.

This European Standard replaces EN ISO 2233:1999.

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 January 2002, and conflicting national standards shall be withdrawn at the latest by January 2002.

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.

Endorsement notice

The text of the International Standard ISO 2233:2000 has been approved by CEN as a European Standard without any modification.

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INTERNATIONAL STANDARD

ISO
2233

Fourth edition
2000-03-01

Packaging — Complete, filled transport packages and unit loads — Conditioning for testing

*Emballages — Emballages d'expédition complets et pleins et charges
unitaires — Conditionnement en vue des essais*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2233 was prepared by Technical Committee ISO/TC 122, *Packaging*, Subcommittee SC 3, *Performance requirements and tests for means of packaging, packages and unit loads (as required by ISO/TC 122)*.

This fourth edition cancels and replaces the third edition (ISO 2233:1994), which has been technically revised.

Annex A forms a normative part of this International Standard.

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ISO 2233:2000(E)

Introduction

It is the responsibility of the user of this International Standard to establish appropriate health and safety practice in accordance with relevant legislation.

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Packaging — Complete, filled transport packages and unit loads — Conditioning for testing

1 Scope

This International Standard specifies a method for the conditioning of complete, filled, transport packages and unit loads.

2 Term and definition

For the purposes of this International Standard, the following term and definition applies.

2.1

test specimen

a complete, filled transport package or unit load

3 Principle

The test specimen is exposed to predetermined atmospheric conditions for a predetermined period of time.

4 Atmospheric conditions

One or more of the conditions given in Table 1 shall be selected.

Table 1 — Atmospheric conditions

Condition	Temperature		Relative humidity (RH) %
	°C	K	
1	– 55	218	Not specified
2	– 35	238	Not specified
3	– 18	255	Not specified
4	+ 5	278	85
5	+ 20	293	65
6	+ 20	293	90
7	+ 23	296	50
8	+ 30	303	85
9	+ 30	303	90
10	+ 40	313	Uncontrolled
11	+ 40	313	90
12	+ 55	328	30