

Guide to

Compilation of performance test schedules for complete, filled transport packages —

Part 2: Quantitative data

The European Standard EN 24180-2:1992 has the status of a
British Standard

UDC 621.798.1:620.16

Cooperating organizations

The Packaging and Freight Containers Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

- Association of Drum Manufacturers*
- British Bag Federation
- British Fibreboard Packaging Association*
- British Food Manufacturing Industries Research Association
- British Paper and Board Industry Federation (PIF)
- British Stationery and Office Products Federation
- Chemical Industries Association*
- Collapsible Tube Manufacturers' Association
- Department of Trade (Paper, Printing, Publishing, Services and Distribution)*
- Department of Transport
- Food Manufacturers' Federation Incorporated
- General Council of British Shipping
- Glass Manufacturers' Federation*
- Institute of Packaging*
- Institute of Trading Standards Administration
- Institution of Production Engineers
- Metal Packaging Manufacturers' Association
- Ministry of Defence*
- Oil Companies Materials Association
- Paintmakers' Association of Great Britain Ltd.
- Soap and Detergent Industry Association*
- Timber Packaging and Pallet Confederation*
- Timber Research and Development Association*

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

- Department of Industry (Laboratory of the Government Chemist)
- Electronic Components Industry Federation
- Electronic Engineering Association
- Pira (The Research Association for the Paper and Board, Printing and Packaging Industries)
- Society of Motor Manufacturers and Traders Limited
- Telecommunication Engineering and Manufacturing Association (TEMA)
- Vitreous Enamel Development Council
- Individual experts

This British Standard, having been prepared under the direction of the Packaging and Freight Containers Standards Committee, was published under the authority of the Executive Board and comes into effect on 30 January 1981

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This British Standard has been prepared under the direction of the Packaging and Freight Containers Standards Committee. It is identical with ISO 4180-2:1980, “*Complete, filled transport packages — General rules for the compilation of performance test schedules — Part 2: Quantitative data*” which was developed by Technical Committee ISO/TC 122, Packaging, and was published by the International Organization for Standardization (ISO).

In 1992 the European Committee for Standardization (CEN) accepted ISO 4180-2:1980 as European Standard EN 24180-2:1992. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 24180-2 and any reference to BS 6082-2 should be read as a reference to BS EN 24180-2.

This Part of this British Standard is one of two concerned with the compilation of performance test schedules for complete, filled transport packages. The other Part is:

— *Part 1: General principles.*

The two Parts are interrelated and should be read in conjunction with one another.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as a decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard	Corresponding British Standard
	BS 4826 <i>Methods of test for complete, filled transport packages</i>
ISO 2206:1972	Part 1:1972 <i>Identification of package parts when testing</i> (Technically equivalent)
ISO 2233:1972	Part 2:1972 <i>Conditioning for testing</i> (Technically equivalent)
ISO 2234:1972	Part 3:1972 <i>Stacking test</i> (Technically equivalent)
ISO 2244:1972	Part 5:1974 <i>Horizontal impact tests (inclined plane test; pendulum test)</i> (Identical)
ISO 2247:1972	Part 6:1974 <i>Vibration test</i> (Technically equivalent)
ISO 2248:1972	Part 4:1972 <i>Vertical impact test by dropping</i> (Technically equivalent)
ISO 2872:1973	Part 7:1975 <i>Compression test</i> (Identical)
ISO 2873:1973	Part 8:1975 <i>Low pressure test</i> (Identical)
ISO 2874:1973	Part 9:1975 <i>Stacking test using compression tester</i> (Identical)
ISO 2875:1973	Part 10:1975 <i>Water spray test</i> (Identical)
ISO 2876:1973	Part 11:1975 <i>Rolling test</i> (Identical)

International Standard	Corresponding British Standard
ISO 4180-1:1980	BS 6082 <i>Guide to compilation of performance test schedules for complete, filled transport packages</i> Part 1:1981 <i>General principles</i> (Identical)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 16, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Packaging, transport packing, complete- and filled packages, performance tests, mechanical tests, environmental tests, testing conditions, data

English version

Complete, filled transport packages — General rules for the compilation of performance test schedules — Part 2: Quantitative data

(ISO 4180-2:1980)

Emballages d'expédition complets et pleins —
Règles générales pour l'établissement des
programmes d'essais d'aptitude à l'emploi —
Partie 2: Données quantitatives
(ISO 4180-2:1980)

Versandfertige Packstücke —
Allgemeine Regeln für die Erstellung von
Prüfplänen —
Teil 2: Beanspruchungsparameter
(ISO 4180-2:1980)

This European Standard was approved by CEN on 1992-10-30. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

In 1991, ISO 4180-2:1980 *Complete, filled transport packages — General rules for the compilation of performance test schedules — Part 2: Quantitative data* was submitted to the CEN Primary Questionnaire procedure.

Following the positive result of the CEN/CS Proposal ISO 4180-2:1980 was submitted to the Formal Vote.

The result of the Formal Vote was positive.

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 May 1993, and conflicting national standards shall be withdrawn at the latest by May 1993.

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

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