

Packaging code —

Section 7: Paper and board wrappers, bags and containers —

Subsection 7.4 Fibreboard drums

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Packaging and Freight Containers Standards Policy Committee (PKM/-) to Technical Committee PKM/503, upon which the following bodies were represented:

- Association of Drum Manufacturers
- British Glass Manufacturers' Confederation
- British Paper and Board Industry Federation
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Metal Packaging Manufacturers' Association
- Ministry of Defence
- PIRA
- Pressed Felt Manufacturers' Association
- Process Plant Association
- Timber Packaging and Pallet Confederation

This British Standard, having been prepared under the direction of the Packaging and Freight Containers Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 30 March 1990

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Foreword

This Subsection of BS 1133, which has been prepared under the direction of the Packaging and Freight Containers Standards Policy Committee, supersedes clause 18 of BS 1133-7:1967. This Subsection together with BS 1133-7.7 replaces BS 1133-7:1967 which has been withdrawn.

BS 1133 was originally issued in December 1943 and was intended primarily to give guidance on the packaging of Service and other Government supplies. In practice, however, the code was used not only by Government departments and contractors, but also by civilian packers and accordingly it was amended to suit commercial requirements.

The Parts were later issued separately and new Sections were added as necessary. Since Section 7 covered many different types of packaging materials it was decided to subdivide it into a number of separately published Subsections.

This Subsection of BS 1133 provides information on fibreboard drums manufactured primarily from fibrous based materials often in conjunction with components of other materials.

The packaging code now consists of the following Sections all of which are published separately with the exception of Sections 1 to 3 which are published in one volume.

- *Sections 1 to 3: Introduction to packaging;*
- *Section 4: Mechanical aids in package handling;*
- *Section 5: Protection against spoilage of packages and their contents by micro-organisms, insects, mites and rodents;*
- *Section 6: Temporary protection of metal surfaces against corrosion (during transport and storage);*
- *Section 7: Paper and board wrappers, bags and containers;*
- *Subsection 7.1: Wrapping papers;*
- *Subsection 7.2: Bags and envelopes;*
- *Subsection 7.3: Cartons and boxes;*
- *Subsection 7.4: Fibreboard drums;*
- *Chapter 7.5: Fibreboard cases;*
- *Subsection 7.6: Moulded pulp packaging;*
- *Subsection 7.7: Composite containers;*
- *Section 8: Wooden containers;*
- *Section 10: Metal containers;*
- *Section 12: Methods of protection against shock (excluding cushioning devices);*
- *Section 13: Twines and cords for packaging;*
- *Section 14: Adhesive closing and sealing tapes;*
- *Section 15: Tensional strapping;*
- *Section 16: Adhesives for packaging;*
- *Section 18: Glass containers and closures;*
- *Subsection 18.1: Terminology;*
- *Section 19: Use of desiccants in packaging;*
- *Section 21: Regenerated cellulose film, plastics films, aluminium foil and flexible laminates;*
- *Section 22: Packaging in plastics containers.*

Sections 9, 11, 17 and 20 are withdrawn as obsolete.

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, pages 1 to 14, 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.

1 Scope

This Subsection of BS 1133 gives information on fibreboard drums and guidance on their selection and use for packaging non-hazardous products. Reference is however made to recommendations and regulations which may be applicable when substances or articles classified as dangerous for transport are to be packed.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this Subsection of BS 1133 the following definitions apply.

2.1

fibreboard drum

a rigid cylindrical container with sidewall made of paper or hardboard having ends and components made of similar or other materials, such as metal, plastics, plywood or composite materials

2.2

sidewall

the cylindrical body of the drum which may be constructed of several layers of paper laminated together by convolute winding or spiral winding, or alternatively may consist of a single layer of material connected by a seamed joint

2.3

lid

the removable top of a drum the location and sealing of which depends on the drum type

2.4

head

the top of a drum which is permanently attached to the sidewall and contains one or more apertures for filling and emptying

2.5

chimb

the projecting edge, rim or brim at the ends of the drum

2.6

lining

a fixed inner ply of material (other than that which is used for the general construction of the drum), to give specific properties

2.7

liner

a separate bag or semi-rigid container of any material used inside the fibre drum to give specific properties

2.8

barrier

a single ply of material incorporated in the sidewall or ends of the drum to resist transmission of gas or vapour into, or out of, the drum

2.9

internal coating

a material applied to the inner surface of the drum, by spray, brush or other means, to meet specific requirements

2.10

external coating

a material applied to the outer surface of the drum, by spray, brush or other means, to meet specific requirements

2.11

closure band

a profiled band, complete with connecting device, used to retain the lid to the sidewall. The closure band and connecting device can be made of metal, plastics or other suitable material

2.12

closure lugs

lug type fittings attached, equally spaced, around the top periphery of the sidewall to retain the drum lid. The fittings can be made of metal, plastics or other suitable material

2.13

sealing tape

a general term applying to various types of tape used in the construction of the drum or for sealing certain types of drum lid to the sidewall. Tapes can be used for sealing the inner joint of drum liners, the outer overlap of convolute wound sidewalls, and the edges of reinforcing bands to prevent ingress of moisture between sidewall and reinforcement. Tapes can also be used for retaining drum lids to sidewalls. Tapes can be made from various types of materials and may be self-adhesive or attached by heat-sealing or other means

3 General

Fibreboard drums are made wholly of fibreboard or a combination of components made from fibreboard, metal, plastics, plywood or other suitable composite materials.