

Fibreboard drums — Removable head (open head) drums with slip on lids with a nominal capacity of 5 l to 600 l

The European Standard EN 14768:2005 has the status of a
British Standard

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National foreword

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Fibreboard drums - Removable head (open head) drums with slip on lids with a nominal capacity of 5 l to 600 l

Fûts en carton - Fûts à ouverture totale et couvercle
emboîté d'une capacité nominale de 5 l à 600 l

Deckelbehälter aus Fiber (Fibertrommeln) - Deckelfässer
mit aufsetzbarem Deckel und einem Nennvolumen von 5 l
bis 600 l

This European Standard was approved by CEN on 3 February 2005.

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Foreword

This document (EN 14768:2005) 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of an identical text or by endorsement, at the latest by September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.

The work was carried out in close cooperation with the European Association of Fibreboard Drum Manufacturers (S.E.F.F.I.) which prepared the draft proposal.

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 package.

This document includes a Bibliography.

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Introduction

This document is limited to the specification of constructional details and the establishment of a preferred range of diameters and capacities for fibreboard drums, in recognition of the fact that one of the important characteristics of fibreboard drums is that they can be produced in various ranges of diameters and heights with constructions to suit specific products and market needs and can be fitted with a variety of bases and lids.

1 Scope

This document specifies the construction requirements for cylindrical fibreboard drums with slip on lids with a nominal capacity of 5 l to 600 l and the preferred range of diameters for drums with a circular cross-section and preferred dimensions for drums with a rectangular cross section.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

fibreboard drum

rigid, container with a sidewall, made of multiple plies of virgin or recycled paper or board firmly bonded together, and a base, firmly connected to the sidewall. The drum may include a base chimb and a slip on lid which can be secured after filling

3.2

nominal capacity (NC)

capacity in litres which, by convention, is used to represent a class of drums of similar brimful capacities

3.3

sidewall

body of the drum

3.4

lid

removable top of the drum

3.5

chimb

bottom rim of the drum

3.6

internal lining

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

3.7

external lining

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

3.8

barrier

multiple or single ply of material, other than that which is used for the general construction of the drum, incorporated into the sidewall, lid or base of the drum

3.9

liner

separate bag or semi-rigid container, used inside the drum to give the drum specific properties

3.10

internal coating

material applied to the inner surface of the drum, by spray, brush or other means to give the drum specific properties

3.11

external coating

material applied to the outer surface of the drum, by spray, brush or other means to give the drum specific properties

3.12

base

horizontal bottom wall of the drum

4 Dimensions

4.1 General

The drum description shall include the dimensions listed in 4.2, 4.3 and 4.4. In addition the description shall include the nominal capacity as determined in 4.5.1. Drum dimensions are shown in Annex A.

4.2 Dimensions for drums of circular cross-section

4.2.1 Nominal internal diameter

The nominal internal diameter is used only to provide a classification of drum diameters.

4.2.2 Internal diameter (d_1)

The internal diameter (d_1), in millimetres, is the internal measurement from the inner sidewall to the diametrically opposite inner sidewall.

4.2.3 Outside diameter (d_2)

The outside diameter (overall diameter) (d_2), in millimetres, is the measurement over the widest part of the drum.

4.3 Dimensions for drums of rectangular cross-section

4.3.1 Internal section (d_3 and d_5)

The internal dimension (d_3) or (d_5), in millimetres, is the internal measurement taken from inner face to inner face of opposite sidewalls.