



BSI Standards Publication

Insulated means of transport for temperature sensitive goods - Requirements and testing

Part 1: Container

This is a preview of "BS EN 17066-1:2019". [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 17066-1:2019.

The UK participation in its preparation was entrusted to Technical Committee TW/1, Freight containers and swap bodies.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Insulated means of transport for temperature sensitive goods - Requirements and testing - Part 1: Container

Moyen de transport isotherme pour les marchandises sensibles à la température - Exigences et essais - Partie 1 : Cellule isotherme

Wärmegeämmte Transportmittel für temperaturempfindliche Produkte - Anforderungen und Prüfung - Teil 1: Container

This European Standard was approved by CEN on 19 May 2019.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 17066-1:2019) has been prepared by Technical Committee CEN/TC 413 "Insulated means of transport for temperature sensitive goods with or without cooling and/or heating device", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

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

The European Standard EN 17066, *Insulated means of transport for temperature sensitive goods — Requirements and testing*, consist of the following parts:

- *Part 1: Container*;
- *Part 2: Equipment*¹;
- *Part 3: Small containers*¹.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

¹ Under preparation.

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1 Scope

This document applies to all thermally insulated means of transport, including: trucks, trailers, tanks, vans, wagons, containers for land transport, small containers, packaging. It is related to every type of insulation. If certain temperatures are due to be maintained independently of external conditions, the above means of transport could be additionally provided with a cooling and/or heating device.

This document specifies the terminology, the requirements for thermal insulation, air tightness, test provisions, dimensioning of containers with and without cooling and/or heating device.

This document also specifies the test provisions for new and in service equipment(s).

This document specifies the terminology, the requirements for thermal insulation, air tightness, test provisions for K-value. This document does not specify further land transport requirements with regard to dimensions, weights, etc. This document does not cover safety requirements. This document does not specify special requirements for sea containers covered by ISO 1496-2.

2 Normative references

There are no normative references in this document.

3 Terms, definitions, symbols and uncertainties

3.1 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1.1 General

3.1.1.1

goods

temperature-sensitive products to be transported within a defined temperature range

3.1.1.2

van

light commercial vehicle with integrated insulation for the transport of goods, of which the occupant compartment and the load space are thermally separated from the driver's cabin

Note 1 to entry: This is not applicable to vans with inserted insulated container fixed or removable.

3.1.1.3

container

insulated bodywork or vessel built for the carriage of the goods intended to be or not be equipped with a cooling and/or heating device, including tanks, bodywork for trucks or trailers, swap bodies, railway wagons, integrated insulation body work for vans, small containers