
**Thermal insulating products for
building equipment and industrial
installations — Determination of
dimensions, squareness and linearity
of preformed pipe insulation**

*Produits isolants thermiques pour les équipements de bâtiments et
les installations industrielles — Détermination des dimensions, de
l'équerrage et de la linéarité des coquilles isolantes préformées*



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 163, *Thermal performance and energy use in the built environment*, Subcommittee SC 1, *Test and measurement methods*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 88, *Thermal insulating materials and products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 12628:2011), which has been technically revised.

The main changes are as follows:

- EN 13467:2018 and ISO 12628:2011 have been merged into one document;
- [Clause 2](#), Normative references, has been added and the numbering of the following clauses has been changed accordingly;
- the terms [3.6](#), thickness uniformity, and [3.9](#), circular segment cord, have been added;
- new [Figure 2](#) has been added and the numbering of the following figures has been changed accordingly;
- [subclause 5.5](#) has been added and the numbering of the following clauses has been changed accordingly;
- technical revision, mainly of [Clause 6](#), Test specimens, [Clause 7](#), Procedure, and [Clause 8](#), Calculation and expression of results;
- editorial revisions.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Thermal insulating products for building equipment and industrial installations — Determination of dimensions, squareness and linearity of preformed pipe insulation

1 Scope

This document specifies the equipment and procedures for determining the dimensions, squareness and linearity of preformed pipe insulation, supplied in one piece, half sections or segments. It is applicable to thermal insulating products.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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

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

3.1 circumference

C

circular length of the outer surface of the pipe insulation

Note 1 to entry: See [Figure 1](#).

3.2 outside diameter

D_o

linear distance between two opposite points on the outside surface of the pipe insulation measured across the centre

Note 1 to entry: See [Figure 1](#).

3.3 inside diameter

D_i

linear distance between two opposite points on the inside surface of the pipe insulation measured across the centre

Note 1 to entry: See [Figure 1](#).

3.4 length

l

linear dimension measured perpendicularly to the *circumference* ([3.1](#)) of the pipe insulation

Note 1 to entry: See [Figure 1](#).