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Standards

Irish Standard  
I.S. EN ISO 12625-11:2019&LC:2019

# Tissue paper and tissue products - Part 11: Determination of wet ball burst strength (ISO 12625-11:2019)

**I.S. EN ISO 12625-11:2019&LC:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 12625-11:2019&LC:2019 is the adopted Irish version of the European Document EN ISO 12625-11:2019, Tissue paper and tissue products - Part 11: Determination of wet ball burst strength (ISO 12625-11:2019)

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*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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## Correction Notice

**Reference:** EN ISO 12625-11:2019

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**please include the following minor editorial correction(s) in the document related to:**

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- ☒ English
- ☒ French
- ☐ German

for the following procedure :

- ☐ PQ/UQ
- ☐ Enquiry
- ☐ 2nd Enquiry
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- ☐ 2<sup>nd</sup> Formal Vote
- ☐ Parallel Formal Vote
- ☐ 2<sup>nd</sup> Parallel Formal Vote
- ☐ UAP
- ☐ TC Approval
- ☐ 2<sup>nd</sup> TC Approval
- ☐ Publication
- ☒ Parallel Publication

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It has been brought to our attention that this document, issued on 2019-06-19, requires modification.

Missing superseding link in the database

Please find enclosed the updated English version.

We apologise for any inconvenience this may cause.

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 12625-11**

June 2019

ICS 85.080.20

Supersedes EN ISO 12625-11:2012

English Version

**Tissue paper and tissue products - Part 11: Determination  
of wet ball burst strength (ISO 12625-11:2019)**

Papier tissue et produits tissues - Partie 11:  
Détermination de la résistance à l'éclatement à l'état  
humide, méthode à la balle (ISO 12625-11:2019)

Tissue-Papier und Tissue-Produkte - Teil 11:  
Bestimmung der Nass-Berstfestigkeit mit einem  
Durchstoßkörper (ISO 12625-11:2019)

This European Standard was approved by CEN on 20 March 2019.

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 CEN-CENELEC Management Centre or to any CEN member.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 12625-11:2019 (E)**

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## **European foreword**

This document (EN ISO 12625-11:2019) has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" in collaboration with Technical Committee CEN/TC 172 "Pulp, paper and board" 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 December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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.

This document supersedes EN ISO 12625-11:2012.

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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.

## **Endorsement notice**

The text of ISO 12625-11:2019 has been approved by CEN as EN ISO 12625-11:2019 without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**12625-11**

Second edition  
2019-05

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## **Tissue paper and tissue products —** **Part 11:** **Determination of wet ball burst** **strength**

*Papier tissue et produits tissue —*

*Partie 11: Détermination de la résistance à l'éclatement à l'état humide, méthode à la balle*



Reference number  
ISO 12625-11:2019(E)

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**ISO 12625-11:2019(E)**



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## ISO 12625-11:2019(E)

### 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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*.

This second edition cancels and replaces the first edition (ISO 12625-11:2012), of which it constitutes a minor revision.

The main changes compared to the previous edition are as follows:

- [Clause 12](#), addition of new "h)" stating "clamping ring diameter (89 mm or 50 mm)".

A list of all parts in the ISO 12625 series can be found on the ISO website.

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](http://www.iso.org/members.html).

## **Introduction**

This document is applicable to tissue papers and tissue products. In principle, application to other types of paper is possible, but is not covered by this document.





# Tissue paper and tissue products —

## Part 11: Determination of wet ball burst strength

### 1 Scope

This document specifies a test method for the determination of the resistance to mechanical penetration (ball burst strength procedure) of tissue paper and tissue products after wetting.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 186, *Paper and board — Sampling to determine average quality*

ISO 187, *Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples*

ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

ISO 12625-1, *Tissue paper and tissue products — Part 1: General guidance on terms*

ISO 12625-9, *Tissue paper and tissue products — Part 9: Determination of ball burst strength*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12625-1 and the following apply.

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

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

#### 3.1 bursting force

$F_D$

maximum force, that a test piece of a tissue paper or tissue product can withstand under the test conditions, applied perpendicular to its surface

[SOURCE: ISO 12625-9:2015, 3.2, modified — right angle changed to perpendicular]

Note 1 to entry: The bursting force is expressed in newtons (N).

#### 3.2 wet bursting force

maximum force, that a wetted test piece of a tissue paper or tissue product can withstand under the test conditions, applied perpendicular to its surface

Note 1 to entry: The wet bursting force is expressed in millinewtons (mN).

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