



NSAI
Standards

Irish Standard
I.S. EN ISO 12625-17:2021

Tissue paper and tissue products - Part 17: Determination of disintegration in water (ISO 12625-17:2021)

I.S. EN ISO 12625-17:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 12625-17:2021 is the adopted Irish version of the European Document EN ISO 12625-17:2021, Tissue paper and tissue products - Part 17: Determination of disintegration in water (ISO 12625-17:2021)

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EUROPEAN STANDARD

EN ISO 12625-17

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2021

ICS 85.080.20

English Version

Tissue paper and tissue products - Part 17: Determination of disintegration in water (ISO 12625-17:2021)

Papier tissue et produits tissue - Partie 17:
Détermination du délitage (désintégration dans l'eau)
(ISO 12625-17:2021)

Tissue-Papier und Tissue-Produkte - Teil 17:
Bestimmung der Desintegration in Wasser (ISO 12625-
17:2021)

This European Standard was approved by CEN on 25 January 2021.

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EN ISO 12625-17:2021 (E)

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European foreword

This document (EN ISO 12625-17:2021) 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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.

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.

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Endorsement notice

The text of ISO 12625-17:2021 has been approved by CEN as EN ISO 12625-17:2021 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
12625-17**

First edition
2021-04

**Tissue paper and tissue products —
Part 17:
Determination of disintegration in
water**

Papier tissue et produits tissue —

Partie 17: Détermination du délitage (désintégration dans l'eau)



Reference number
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ISO 12625-17:2021(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).

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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*.

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.

Introduction

This document describes a test method to determine the disintegration in water for tissue paper and tissue products after agitation time periods of 30 s, 2 min and 10 min.

Tissue paper and tissue products —

Part 17:

Determination of disintegration in water

1 Scope

This document specifies a method to assess the disintegration of tissue paper and tissue products when subjected to mechanical agitation in water.

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 638-1¹⁾, *Paper, board, pulps and cellulosic nanomaterials — Determination of dry matter content by oven-drying method — Part 1: Materials in solid form*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

ISO 14487, *Pulps — Standard water for physical testing*

3 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:

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

3.1

disintegration

process that is characterized by a material breaking into small pieces in water under specified conditions

4 Principle

A test piece of tissue paper or tissue product is placed in a beaker and is agitated in water using an impeller rotating at a constant speed for time durations of 30 s, 2 min and 10 min. After agitation, the beaker contents are poured into a specified sieve, and if there are remains on the sieve, they are

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