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**Seznam evropskih standardnih kakovosti za odpadni papir**

List of European standard qualities of waste paper

Europäische Altpapier- und Standardsorten-Liste

Liste des sortes standards européennes de vieux papiers

**Ta slovenski standard je istoveten z: EN 643:1994**[SIST EN 643:2000](https://standards.iteh.ai/catalog/standards/sist/f6c0264f-8d36-4b74-8fc8-5fcb67a62dd4/sist-en-643-2000)<https://standards.iteh.ai/catalog/standards/sist/f6c0264f-8d36-4b74-8fc8-5fcb67a62dd4/sist-en-643-2000>**ICS:**

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EUROPEAN STANDARD

EN 643

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

## List of European standard qualities of waste paper

Liste des sortes standards européennes de vieux  
papiers

Europäische Altpapier- und Standardsorten-Liste

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REPUBLIKA SLOVENIJA

MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO

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PREVZET PO METODI RAZGLASITVE

-04- 2000

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CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Page 2  
EN 643:1994

### Foreword

This European Standard has been prepared by the 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of an identical text or by endorsement, at the latest by November 1994, and conflicting national standards shall be withdrawn at the latest by November 1994.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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## 1 Scope

The object of this European standard is to establish a nomenclature for European standard qualities of waste paper, by defining what they do and do not contain. It is not the purpose of this European standard to specify all the qualities of waste paper that exist in the different markets, but rather to define those qualities commonly traded in the European markets. This European standard is not valid for use in the food packaging field because of specific requirements of food contact and sanitary and health regulations.

Waste paper from general refuse sorting stations is not suitable for use in the paper industry.

Waste paper originating from unseparated container collections, containing only material of a valuable, recyclable nature, has to be specifically marked. It has not to be used for materials and articles of paper and board for contact with foodstuffs, which have to comply with international or national sanitary regulations. It is not permissible to mix it un-marked with other waste paper.

## 2 Grade identification

Waste paper is graded as follows:

- Group A: ordinary qualities;
- Group B: medium qualities;
- Group C: high qualities;
- Group D: kraft qualities.

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## 3 Moisture content in waste paper

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Acceptable levels of moisture content, as specified in the Summary of Trade Customs in the European Waste Paper Trade (1988), vary from grade to grade and from region to region, and shall be settled by individual agreement between purchaser and supplier.

## 4 Unusable materials

Materials which are unusable in production consist of non-paper components (see 4.1), and paper and board detrimental to production (see 4.2). Waste paper should be supplied free of these unusable materials, unless for specific qualities a certain proportion is agreed between purchasers and suppliers.

### 4.1 Non-paper components

These consist of any foreign matter in the waste paper which, during processing, may cause damage to machines or interruptions to production or may reduce the value of the finished product, such as:

- metal;
- string;
- glass;
- textiles;
- wood;
- sand and building materials;
- synthetic materials;
- "Synthetic papers".

## 4.2 Paper and board detrimental to production

These are grades of paper and board which have been treated in such a way that they are for a basic or standard level of equipment unsuitable as raw material for the manufacture of paper and board, or are actually damaging, or whose presence makes the whole consignment of paper unusable.

However, an important and increasing number of mills have adapted treatment plants in which this paper and board can be recycled. Therefore, the definition of undesirable paper and board grades will be subject to individual mills' specifications.

## 5 List of qualities

### Group A - Ordinary qualities<sup>1)</sup>

- A 0 - Mixed waste paper (unsorted)  
Including unsorted consolidated material from households, no guarantee of absence of unusable materials.
- A 1 - Mixed papers and boards (unsorted)  
A mixture of various grades of paper and board, without restriction on short fibre content.
- A 2 - Mixed papers and boards (sorted)  
A mixture of various qualities of paper and board, containing less than 40 % of newspapers and magazines.
- A 3 - Board cuttings  
Shavings and cuttings of chipboard or mixed boards, free from strawboards and corrugated material.
- A 4 - Supermarket waste  
Used paper and board packaging, containing at least 70 % of corrugated board, the rest being solid boards and wrapping papers.
- A 5 - Corrugated container waste  
Used cases, sheets or cuttings of corrugated board.
- A 6 - New shavings of corrugated board  
New shavings of corrugated board free from any other paper and any trace of unusable material, crushed or shredded and guaranteed to be free from contact with any other product.
- A 7 - Overissue periodicals and magazines  
Unsold periodicals and magazines, with or without adhesive binding, strings allowed.
- A 8 - Overissue pams free from adhesive bindings  
A mixture of unsold newspapers and periodicals and magazines, free from adhesive bindings, strings allowed.
- A 9 - Mixed news and pams  
A mixture of newspapers and periodicals and magazines with at least 50 % of news, with or without adhesive bindings, strings allowed.

<sup>1)</sup> Deinking grades should be free from brown packaging and wrapping papers and boards

- A 10 - Mixed news and pams free from adhesive bindings  
A mixture of newspapers and periodicals and magazines, with at least 60 % of news, free from adhesive bindings, strings allowed.
- A 11 - Mixed pams and magazines  
Mixed old periodicals and magazines, catalogues, printed matter, directories and newspapers, with or without staples, free from hard covers.
- A 12 - Shredded office waste paper (unsorted)  
Shredded office waste paper, unsorted.

#### Group B - Medium qualities

- B 1 - Old news  
Old newspapers, with less than 5 % of colour inserts or advertisements.
- B 2 - Overissue news  
Unsold daily newspapers, printed on white newsprint and free from additional colour inserts or illustrated material, strings allowed.
- B 3 - White lined board cuttings  
New cuttings of multi-ply board with at least one white liner over a grey interior or back.
- B 4 - Mixed coloured shavings  
Printers or magazine shavings, without restrictions as to colour, mechanical pulp or coated paper content.
- B 5 - Bookbinders shavings (standards.iteh.ai)  
White shavings, printed with various colours, mainly mechanical pulp based paper, with or without adhesive bindings.  
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- B 6 - Bookbinders shavings without adhesive  
White shavings, printed with various colours, mainly mechanical pulp based paper, free from adhesive bindings.
- B 7 - Coloured letters  
Correspondence, in mixed colours, with or without print, of printing or writing paper. Free from carbon paper and hard covers.
- B 8 - White woodfree books  
Books, without hard covers, of woodfree white paper, black printed only. Not to contain more than 10 % of coated paper.
- B 9 - Bookquire  
Woodfree misprints of books, black and white printed, free from covers.
- B 10 - Coloured best periodicals and magazines  
White or coloured coated or uncoated periodicals and magazines, free from non-flexible covers, bindings, varnishes, non-dispersable inks and adhesives, poster papers, labels or label trim. May include heavily printed circulars and coloured shavings. Mechanical content less than 10 %.
- B 11 - White carbonless copy papers  
White carbonless copy papers.

- B 12 - Coloured carbonless copy papers  
Coloured carbonless copy papers.
- B 13 - Bleached PE Coated board  
Bleached polyethylene coated board from liquid packaging board manufacturers.
- B 14 - PE Coated board  
Polyethylene coated board, may include unbleached board from liquid packaging board manufacturers.
- B 15 - Woody continuous stationery  
Woody continuous stationery, may include recycled fibres.

### Group C - High qualities

- C 1 - Mixed light coloured printers shavings  
Mixed light coloured shavings of printing and writing papers, containing at least 50 % of woodfree paper.
- C 2 - Mixed light coloured woodfree printers shaves.  
Mixed light coloured shavings of printing and writing papers, containing at least 90 % of woodfree paper.
- C 3 - Coloured tabulating cards  
Coloured tabulating cards, printed, woodfree.
- C 4 - Non-impact printed woodfree white continuous stationery  
Non impact (laser) printed woodfree white continuous stationery.
- C 5 - Buff tabulating cards  
Natural coloured (buff) tabulating cards, printed, woodfree, max. 1 % of coloured marker cards. If delivered in original boxes on pallets, max. 5 % of coloured marker cards.
- C 6 - Mixed white letters  
Sorted white writing and printing papers, originating from office records, containing at least 60 % of woodfree papers per bale, free from cash books, carbon paper and non-water soluble adhesives; may contain a maximum of 3 % of coloured carbonless copy paper.
- C 7 - White woodfree letters  
Sorted white woodfree writing papers, originating from office records, free from cash books, carbon paper and non-water soluble adhesives; may contain a maximum of 3 % of coloured carbonless copy paper.
- C 8 - White woodfree continuous stationery  
White woodfree continuous stationery, may contain a maximum of 3 % of coloured carbonless copy paper.
- C 9 - White woodfree continuous stationery, free from colouring  
White woodfree continuous stationery, free from coloured carbonless copy paper.
- C 10 - Printed white multi-ply board  
New cuttings of lightly printed white multi-ply board, without grey plies.



- C 11 - Unprinted white multi-ply board  
New cuttings of unprinted white multi-ply board, without grey plies.
- C 12 - White newsprint  
Shavings and sheets of white unprinted newsprint, free from magazine paper.
- C 13 - White magazine paper  
Shavings and sheets of white unprinted magazine paper, free from newsprint.
- C 14 - White woody coated paper  
Shavings and sheets of white unprinted woody coated paper.
- C 15 - White woodfree coated paper  
Shavings and sheets of white unprinted woodfree coated paper.
- C 16 - White woody shavings  
Shavings and sheets of white unprinted wood containing paper, free from newsprint and magazine paper; may contain a maximum of 20 % of coated paper.
- C 17 - Mixed white shavings  
Shavings and sheets of white unprinted paper, free from newsprint and magazine paper with at least 60 % of woodfree paper; may contain a maximum of 10 % of coated paper.
- C 18 - White woodfree shavings  
Shavings and sheets of white unprinted woodfree paper; may contain a maximum of 5 % of coated paper.
- C 19 - White woodfree uncoated shavings  
Shavings and sheets of white unprinted woodfree paper, free from coated paper.

#### Group D - Kraft qualities

- D 0 - Brown corrugated  
Cases, sheets and shavings of corrugated board, with liners of kraft or testliner.
- D 1 - Corrugated kraft II  
Cases, sheets and shavings of corrugated board, with liners of kraft or testliner, but having at least one liner made of kraft.
- D 2 - Corrugated kraft I  
Cases, sheets and shavings of corrugated board, with kraft liners only, the fluting made from chemical or semi-chemical pulp.
- D 3 - Used kraft sacks  
Used kraft sacks, not dusted, having contained for example, building materials or fertilizers - excluding dye-stuffs or materials with a lasting odour.