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**Papir, karton in lepenka – Merjenje zrcalnega sijaja – 1. del: 75-stopinjski sijaj z usmerjenim snopom svetlobe, metoda TAPPI (ISO 8254-1:1999)**

Paper and board - Measurement of specular gloss - Part 1: 75° gloss with a converging beam, TAPPI method (ISO 8254-1:1999)

Papier und Pappe - Bestimmung des Glanzes - Teil 1: Messung mit einem konvergierenden Strahl bei 75°, TAPPI-Verfahren (ISO 8254-1:1999)

Papiers et cartons - Mesurage du brillant spéculaire - Partie 1: Brillant a 75° avec un faisceau convergent, méthode TAPPI (ISO 8254-1:1999)

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**Ta slovenski standard je istoveten z: EN ISO 8254-1:2003**

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**ICS:**

85.060          Papir, karton in lepenka          Paper and board

**SIST EN ISO 8254-1:2003**          en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 8254-1**

January 2003

ICS 85.060

English version

**Paper and board - Measurement of specular gloss - Part 1: 75°  
gloss with a converging beam, TAPPI method (ISO 8254-  
1:1999)**

Papiers et cartons - Mesurage du brillant spéculaire - Partie  
1: Brillant à 75° avec un faisceau convergent, méthode  
TAPPI (ISO 8254-1:1999)

Papier und Pappe - Bestimmung des Glanzes - Teil 1:  
Messung mit einem konvergierenden Strahl bei 75°,  
TAPPI-Verfahren (ISO 8254-1:1999)

This European Standard was approved by CEN on 9 September 2002.

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 Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

**EN ISO 8254-1:2003 (E)****Foreword**

The text of ISO 8254-1:1999 has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8254-1:2003 by 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 July 2003, and conflicting national standards shall be withdrawn at the latest by July 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

**Endorsement notice**

The text of ISO 8254-1:1999 has been approved by CEN as EN ISO 8254-1:2003 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

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## Annex ZA (informative)

### Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 187	1990	Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	EN 20187	1993

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INTERNATIONAL  
STANDARD

ISO  
8254-1

First edition  
1999-11-01

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**Paper and board — Measurement of  
specular gloss —**

**Part 1:**

75° gloss with a converging beam, TAPPI  
method

iTeh STANDARD PREVIEW

*Papiers et cartons — Mesurage du brillant spéculaire —*

*Partie 1: Brillant à 75° avec un faisceau convergent, méthode TAPPI*

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Reference number  
ISO 8254-1:1999(E)

**ISO 8254-1:1999(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8254-1 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, working group WG 3, *Optical properties*.

ISO 8254 consists of the following parts, under the general title *Paper and board — Measurement of specular gloss*:

- *Part 1: 75° gloss with a converging beam, TAPPI method*
- *Part 2: 75° gloss with a parallel beam, DIN method*
- *Part 3: 20° gloss*

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Annex A forms a normative part of this part of ISO 8254.

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## Introduction

This part of ISO 8254 deals with the assessment of the specular gloss of paper and board at 75° using a converging beam geometry commonly known as the TAPPI method and described in TAPPI 480 om-92 ([1] in the bibliography). Subsequent parts of this International Standard will deal with measurements made at 75° using a collimated beam geometry known as the DIN method (DIN 54502, [6] in the bibliography), and with measurements made at other angles e.g. 20°.

The word "assessment" is used rather than "measurement" because the definition of gloss (3.1) relates to a scale of visual perception whereas the method described uses a physical measurement of mixed, regular and diffuse reflection. The exact correlation between the visual perception and the scale established by the physical measurement is not known. However, this physical gloss scale has proved to be useful for a number of technical applications and consequently its standardization is justified.

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