BS ISO 8254-3:2016

BSI Standards Publication

Paper and board — Measurement of specular gloss

Part 3: 20° gloss with a converging beam, TAPPI method

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National foreword

This British Standard is the UK implementation of ISO 8254-3:2016. It supersedes BS ISO 8254-3:2004 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PAI/11, Methods of test for paper, board and pulps.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Paper and board — Measurement of specular gloss —

Part 3: 20° gloss with a converging beam, TAPPI method

Papier et carton — Mesurage du brillant spéculaire — Partie 3: Brillant à 20° avec un faisceau convergent, méthode TAPPI

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 6, *Paper, board and pulps*.

This second edition cancels and replaces the first edition (ISO 8254-3:2004), which has been editorially revised to provide a precision statement, to update the bibliographic references and to provide additional clarification on Scope and application of the method described in this International Standard.

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 with a converging beam, TAPPI method*

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Introduction

This part of ISO 8254 deals with the assessment of the specular gloss of paper and board at an angle of 20°, using a converging beam geometry commonly known as the TAPPI method and described in TAPPI T653[2]. ISO 8254-1 and ISO 8254-2 deal with the measurement of specular gloss at 75°.

Although the word "measurement" is used, it is to be noted that this is strictly speaking only an "assessment" because the definition of gloss (see 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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