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I.S. EN ISO 787-25:2019

General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method (ISO 787-25:2019)

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National Foreword

I.S. EN ISO 787-25:2019 is the adopted Irish version of the European Document EN ISO 787-25:2019, General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method (ISO 787-25:2019)

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 787-25

March 2019

ICS 87.060.10

Supersedes EN ISO 787-25:2006

English Version

General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method (ISO 787-25:2019)

Méthodes générales d'essai des pigments et matières de charge - Partie 25: Comparaison, dans les systèmes monopigmentaires, de la couleur des pigments blancs, noirs et colorés - Méthode colorimétrique (ISO 787-25:2019)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Vergleich der Farbe von Weiß-, Schwarz- und Buntpigmenten in Purton-Systemen - Teil 25: Farbmetrisches Verfahren (ISO 787-25:2019)

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European foreword **3**

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European foreword

This document (EN ISO 787-25:2019) has been prepared by Technical Committee ISO/TC 256 "Pigments, dyestuffs and extenders" in collaboration with Technical Committee CEN/TC 298 “Pigments and extenders” 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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INTERNATIONAL STANDARD

ISO 787-25

Second edition
2019-02

General methods of test for pigments and extenders —

Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments — Colorimetric method

Méthodes générales d'essai des pigments et matières de charge —

Partie 25: Comparaison, dans les systèmes monopigmentaires, de la couleur des pigments blancs, noirs et colorés — Méthode colorimétrique

Reference number
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Foreword

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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 256, *Pigments, dyestuffs and extenders*.

This second edition cancels and replaces the first edition (ISO 787-25:1993), which has been technically revised. The main changes compared to the previous edition are as follows:

— Clause 3 has been revised and terms and definitions for full shade, mass tone and mass tone system have been added/revised;

— the normative references have been updated;

— the text has been editorially revised.

A list of all parts in the ISO 787 series can be found on the ISO website.

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General methods of test for pigments and extenders —

Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments — Colorimetric method

1 Scope

This document specifies a general test method for comparing the colour, in full-shade systems, of white, black or coloured pigments with that of an agreed reference pigment, using a colorimetric procedure.

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 787-9, *General methods of test for pigments and extenders — Part 9: Determination of pH value of an aqueous suspension*

ISO 787-24, *General methods of test for pigments and extenders — Part 24: Determination of relative tinting strength of coloured pigments and relative scattering power of white pigments — Photometric methods*

ISO 2114, *Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value*

ISO 3219, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*

ISO 3262-20, *Extenders for paints — Specifications and methods of test — Part 20: Fumed silica*

ISO 4629-1, *Binders for paints and varnishes — Determination of hydroxyl value — Part 1: Titrimetric method without using a catalyst*

ISO 8780-6, *Pigments and extenders — Methods of dispersion for assessment of dispersion characteristics — Part 6: Dispersion using a triple-roll mill*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

ISO 18314-1, *Analytical colorimetry — Part 1: Practical colour measurement*

ISO 18314-2, *Analytical colorimetry — Part 2: Saunderson correction, solutions of the Kubelka-Munk equation, tinting strength, hiding power*

ISO 18451-1, *Pigments, dyestuffs and extenders — Terminology — Part 1: General Terms*

ISO 18451-2, *Pigments, dyestuffs and extenders — Terminology — Part 2: Classification of colouring materials according to colouristic and chemical aspects*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 18451-1, ISO 18451-2 and the following apply.

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