

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

The European Standard EN ISO 787-24:1995 has the status of a
British Standard

ICS 87.060.10

This British Standard, having been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee, was published under the authority of the Board of BSI and comes into effect on 29 February 1988

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The following BSI references relate to the work on this standard:
Committee reference PVC/1
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Amendments issued since publication

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National foreword

This Part of BS 3483 has been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee. It is identical with ISO 787-24:1985 “*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*” published by the International Organization for Standardization (ISO).

In 1995 the European Committee for Standardization (CEN) accepted ISO 787-24:1985 as European Standard EN ISO 787-24:1995. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 787-24 and any reference to BS 3483-A6 should be read as a reference to BS EN ISO 787-24.

It has been assumed in the drafting of this standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”, “this part of ISO 787” should be read as “this Part of BS 3483”, and “ISO 787-24” should be read as “BS 3483-A6”.

Cross-references

International Standard	Corresponding British Standard
ISO 591:1977	BS 1851:1978 <i>Specification for titanium dioxide pigments for paints</i> (Identical)
	BS 3483 <i>Methods for testing pigments for paints</i>
ISO 787-2:1981	Part B6:1982 <i>Determination of matter volatile at 105 °C</i> (Identical)
ISO 787-9:1981	Part C4:1982 <i>Determination of pH value of an aqueous suspension</i> (Identical)
ISO 787-16:1986	Part A4:1988 <i>Determination of relative tinting strength and colour on reduction of coloured pigments using visual comparison</i> (Identical)
ISO 787-17:1973 (published as Parts XIII to XVIII)	Part A5:1974 <i>Comparison of lightening power of white pigments</i> (Technically equivalent)
ISO 787-23:1979	Part B9:1980 <i>Determination of density relative to water (using a centrifuge)</i> (Identical)
ISO 842:1984	BS 4726:1986 <i>Methods for sampling raw materials for paints and varnishes</i> (Identical)
ISO 1524:1983	BS 3900 <i>Methods of test for paints</i> Part C6:1983 <i>Determination of fineness of grind</i> (Identical)

International Standard	Corresponding British Standard
ISO 3219:1977	BS 2782 <i>Methods of testing plastics</i> Method 730B:1978 <i>Determination of the viscosity of polymers in the liquid, emulsified or dispersed state using a rotational viscometer working at a defined shear rate</i> (Identical)
ISO 3262:1975	BS 1795:1976 <i>Specification for extenders for paints</i> (Identical) BS 6782 <i>Binders for paints</i>
ISO 3682:1983	Part 3:1987 <i>Method for determination of acid value (titrimetric method) d</i> (Identical)
ISO 4629:1978	Part 4:1987 <i>Method for determination of hydroxyl value (titrimetric method)</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 787-10, ISO 4652, and ISO 6209, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related British Standard to ISO 787-10 is BS 3483-B8:1982 “*Determination of density (pycnometer method)*”. No British Standard corresponds either to ISO 4652 or to ISO 6209.

Additional information. In order to carry out some of the tests described in this standard it is necessary for a reference sample to be supplied or agreed by the parties concerned (see clause 4).

A choice of method for density determination is given in 8.2.1. For the British Standard the preferred method is ISO 787-23 for which there is an identical British Standard (see above). A related British Standard to ISO 787-10 is BS 3483-B8:1982 *Determination of density (pycnometer method)*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN ISO title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

ICS 87.060.10

Descriptors: Paints, pigments, tests, determination, colouring power, photometric method

English version

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 787-24:1985)

Méthodes générales d'essai des pigments et
matières de charge — Partie 24: Détermination
du pouvoir colorant relatif des pigments colorés
et du pouvoir diffusant relatif des pigments
blancs — Méthodes photométriques
(ISO 787-24:1985)

Allgemeine Prüfverfahren für Pigmente und
Füllstoffe — Teil 24: Bestimmung der relativen
Farbstärke von Buntpigmenten und des
relativen Streuvermögens von Weißpigmenten
Photometrische Verfahren (ISO 787-24:1985)

This European Standard was approved by CEN on 1995-03-23. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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Comité Européen de Normalisation
Europäisches Komitee für Normung

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