

STN	Všeobecné metódy skúšania pigmentov a plnidiel Časť 22: Porovnanie odolnosti proti vylučovaniu pigmentov (ISO 787-22: 1980)	STN EN ISO 787-22 67 0520
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General methods of test for pigments and extenders - Part 22: Comparison of resistance to bleeding of pigments (ISO 787-22:1980)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/18

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English Version

General methods of test for pigments and extenders - Part 22: Comparison of resistance to bleeding of pigments (ISO 787-22:1980)

Méthodes générales d'essai des pigments et matières
de charge - Partie 22: Comparaison de la résistance au
saignement des pigments (ISO 787-22:1980)

Allgemeine Prüfmethode für Pigmente und Füllstoffe -
Teil 22: Vergleich der Beständigkeit von Pigmenten
gegen Ausbluten (ISO 787-22:1980)

This European Standard was approved by CEN on 21 September 2017.

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

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EN ISO 787-22:2017 (E)

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European foreword

The text of ISO 787-22:1980 has been prepared by Technical Committee ISO/TC 256 "Pigments, dyestuffs and extenders" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 787-22:2017 by 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 787-22:1980 has been approved by CEN as EN ISO 787-22:2017 without any modification.

International Standard



787/22

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

**General methods of test for pigments and extenders —
Part 22 : Comparison of resistance to bleeding of
pigments**

*Méthodes générales d'essai des pigments et matières de charge —
Partie 22 : Comparaison de la résistance au saignement des pigments*

First edition — 1980-02-01

UDC 667.622 : 620.1 : 667.613.752

Ref. No. ISO 787/22-1980 (E)

Descriptors : paints, pigments, tests, stability tests, bleeding.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 787/22 was developed by Technical Committee ISO/TC 35, *Paints and varnishes*, and was circulated to the member bodies in March 1978.

It has been approved by the member bodies of the following countries :

Australia	Ireland	Romania
Austria	Israel	South Africa, Rep. of
Bulgaria	Italy	Sweden
Canada	Kenya	Switzerland
Egypt, Arab Rep. of	Korea, Rep. of	Turkey
France	Netherlands	United Kingdom
Germany, F. R.	New Zealand	Yugoslavia
India	Norway	
Iran	Poland	

No member body expressed disapproval of the document.

The purpose of this International Standard is to establish a series of general test methods for pigments and extenders which are suitable for all or many of the individual pigments and extenders for which specifications might be required. In such cases, a cross-reference to the general method should be included in the International Standard relating to that pigment or extender, with a note of any detailed modifications which might be needed in view of the special properties of the product in question.

Technical Committee ISO/TC 35 decided that all the general methods should be published as they become available, as parts of a single International Standard, in order to emphasize the relationship of each to the whole series.

The Technical Committee also decided that, where two or more procedures were widely used for determining the same or a similar characteristic of a pigment or extender, there would be no objection to including more than one of them in the ISO series. In such cases it will, however, be essential to state clearly in a specification which method is to be used and, in the test report, which method has been used.

Parts of the series already published are as follows :

- Part 1 : Comparison of colour
- Part 2 : Determination of matter volatile at 105 °C
- Part 3 : Determination of matter soluble in water — Hot extraction method
- Part 4 : Determination of acidity or alkalinity of the aqueous extract
- Part 5 : Determination of oil absorption value
- Part 6 : Determination of residue on sieve — Oil method
- Part 7 : Determination of residue on sieve — Water method
- Part 8 : Determination of matter soluble in water — Cold extraction method
- Part 9 : Determination of pH value of an aqueous suspension
- Part 10 : Determination of density — Pyknometer method
- Part 11 : Determination of tamped volume and apparent density after tamping
- Part 12 : Visual comparison of hue of powdered white pigment (Hollow cone method)¹⁾
- Part 13 : Determination of water-soluble sulphates, chlorides and nitrates
- Part 14 : Determination of resistivity of aqueous extract
- Part 15 : Comparison of resistance of coloured pigments of similar types to light from a specified light source
- Part 16 : Comparison of relative tinting strength (or equivalent colouring value) and colour on reduction in linseed stand oil using the automatic muller
- Part 17 : Comparison of lightening power of white pigments
- Part 18 : Determination of residue on sieve by a mechanical flushing procedure
- Part 19 : Determination of water-soluble nitrates — Salicylic acid method
- Part 20 : Comparison of ease of dispersion — Oscillatory shaking method
- Part 21 : Comparison of heat stability of pigments using a stoving medium
- Part 22 : Comparison of resistance to bleeding of pigments
- Part 23 : Determination of density (using a centrifuge to remove entrained air)

¹⁾ This part will be withdrawn as the specified method is no longer in use.

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General methods of test for pigments and extenders — Part 22 : Comparison of resistance to bleeding of pigments

0 Introduction

This document is a part of ISO 787, *General methods of test for pigments and extenders*.

Although a number of methods for determining resistance to bleeding are available, for example solubility in a solvent, the method in this part has been established because it is essentially a practical test and as such is probably of greater general value than other methods.

1 Scope and field of application

This part of ISO 787 specifies a general method for comparing the resistance to bleeding of a pigment with that of an agreed sample.

NOTE — When this general method is applicable to a given pigment, only a cross-reference to it should be included in the International Standard relating to that pigment with a note of any detailed modification which may be needed in view of the special properties of the pigment in question. Only when this general method is not applicable to a particular pigment should a special method for comparison of resistance to bleeding be specified.

2 References

ISO 842, *Raw materials for paints and varnishes — Sampling*.

ISO 3668, *Paints and varnishes — Visual comparison of the colour of paints*.

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ISO 787/22-1980 (E)

coating. The overcoating shall be applied thickly enough to cover the black and white pattern of the chart.

Allow the film to dry at ambient temperature or subject it to the specified stoving conditions as appropriate.

Immediately after the overcoating film is dry, compare, in diffuse daylight, by the procedure described in ISO 3668, the degree of bleeding, as shown by the difference in colour between the areas of the panels coated with white composition only and with the white composition over the pigment dispersion of the test sample, with the degree of bleeding of the agreed sample, and note whether it is equal to, greater than, or less than that of the agreed sample. If daylight is not available, make the comparison in artificial daylight.

Repeat the comparison after 24 h.

NOTE — If required and agreed, the degree of bleeding may be assessed by using a suitable colorimeter.

7 Test report

The test report shall include at least the following information :

- a) the type and identification of the pigment under test;
- b) a reference to this International Standard (ISO 787/22);
- c) the details of items agreed between the interested parties, including pigment concentration, reference pigment used, medium used, method of application, curing conditions of the test film and type of overcoating;
- d) any deviation, by agreement or otherwise, from the test procedure specified;
- e) whether the comparison was made in natural or artificial daylight;
- f) the result of the test : bleeding less than, equal to, or greater than that of the agreed sample of pigment;
- g) the date of the test.

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