# Paints and varnishes - Determination of reflection haze on paint films at 20 degrees

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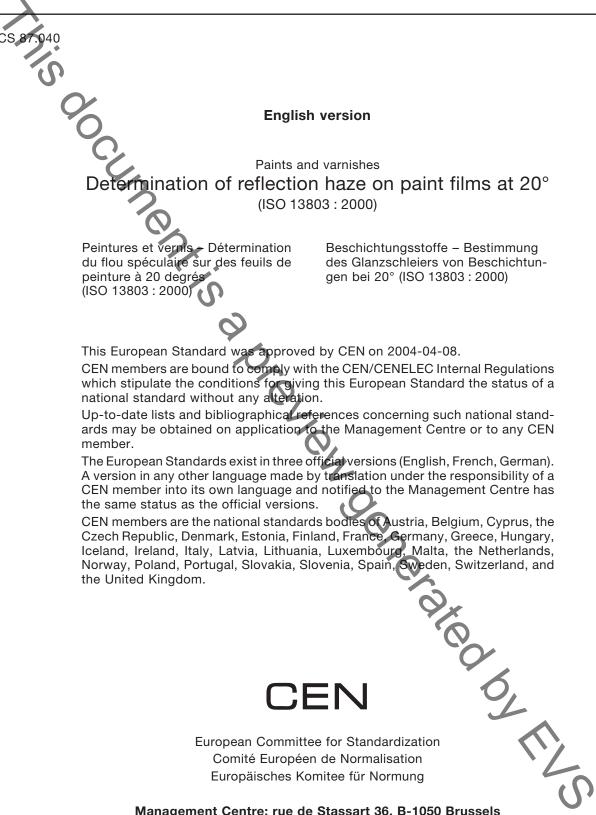
EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 13803:2004 sisaldab Euroopa standardi EN ISO 13803:2004 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13803:2004 consists of the English text of the European standard EN ISO 13803:2004.
Käesolev dokument on jõustatud 23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 23.09.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.
Käsitlusala: This International Standard is one of a series of standards dealing with the sampling and testing of coating materials such as paints and varnishes, as well as coatings prepared from them. It specifies a test method for measuring at 20° the reflection haze of paint coatings.	<b>Scope:</b> This International Standard is one of a series of standards dealing with the sampling and testing of coating materials such as paints and varnishes, as well as coatings prepared from them. It specifies a test method for measuring at 20° the reflection haze of paint coatings.
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# EN ISO 13803

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

May 2004



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

#### Foreword

International Standard

ISO 13803 : 2000 Paints and varnishes – Determination of reflection haze on paint films at 20°, which was prepared by ISO/TC 35 'Paints and varnishes' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 139 'Paints and varnishes', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by November 2004 at the latest. In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the follow-

ing countries are bound to implement this European Standard: Austria, Belgium, Works, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

### Endorsement notice

The text of the International Standard ISO 13803 : 2000 was approved by CEN as a European Standard without any modification.

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#### 1 Scope

This International Standard is one of a series of standards dealing with the sampling and testing of coating materials such as paints and varnishes, as well as coatings prepared from them.

It specifies a test method for measuring at 20° the reflection haze of paint coatings.

The use of this geometry means that the method is closely related to the measurement of specular gloss at 20° in ISO 2813. The application of this method is intended to give improved differentiation between high-gloss surfaces, for example in the field of assessment of dispersion characteristics. The method is therefore a useful complement to ISO 8781-3 which uses specular gloss measurements.

For decorative coatings (e.g. automotive coatings), reflection haze is also an important criterion in evaluating the quality of the coating, in addition to colour and specular gloss.

The results obtained often depend on the following properties of the paints:

- a) the binder system used and the composition of the paint;
- b) the wetting and dispersing properties of the pigments;
- c) the method of application;
- d) the orientation of the test sample with respect to the plane of measurement.

#### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1513:1992, Paints and varnishes — Examination and preparation of samples for testing.

ISO 2808:1997, Paints and varnishes - Determination of film thickness.

ISO 2813:1994, Paints and varnishes — Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°.

ISO 7668:1986, Anodized aluminium and aluminium alloys — Measurement of specular reflectance and specular gloss at angles of 20°, 45°, 60° or 85°.