
**Prozorne tekočine - Ocenjevanje barve s platina-kobaltovo lestvico - 1. del:
Vizualna metoda (ISO 6271-1:2004)**

Clear liquids - Estimation of colour by the platinum-cobalt scale - Part 1: Visual method
(ISO 6271-1:2004)

Klare Flüssigkeiten - Bestimmung der Farbe nach der Platin-Cobalt-Skala - Teil 1:
Visuelles Verfahren (ISO 6271-1:2004)

Liquides clairs - Evaluation de la couleur au moyen de l'échelle platine-cobalt - Partie 1:
Méthode visuelle (ISO 6271-1:2004)

STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>

Ta slovenski standard je istoveten z: EN ISO 6271-1:2004

ICS:

17.180.20	Barve in merjenje svetlobe	Colours and measurement of light
87.060.99	Druge sestavine barv	Other paint ingredients

SIST EN ISO 6271-1:2005

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 6271-1:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 6271-1

November 2004

ICS 87.060.20

English version

**Clear liquids - Estimation of colour by the platinum-cobalt scale -
Part 1: Visual method (ISO 6271-1:2004)**

Liquides clairs - Evaluation de la couleur au moyen de
l'échelle platine-cobalt - Partie 1: Méthode visuelle (ISO
6271-1:2004)

Klare Flüssigkeiten - Bestimmung der Farbe nach der
Platin-Cobalt-Skala - Teil 1: Visuelles Verfahren (ISO 6271-
1:2004)

This European Standard was approved by CEN on 14 November 2004.

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.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>



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

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

EN ISO 6271-1:2004 (E)**Foreword**

This document (EN ISO 6271-1:2004) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes", 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

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

Endorsement notice

The text of ISO 6271-1:2004 has been approved by CEN as EN ISO 6271-1:2004 without any modifications.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>

INTERNATIONAL STANDARD

ISO
6271-1

First edition
2004-11-15

Clear liquids — Estimation of colour by the platinum-cobalt scale —

Part 1: Visual method

*Liquides clairs — Évaluation de la couleur au moyen de l'échelle platine-
cobalt —*

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Partie 1: Méthode visuelle

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027d013080/sist-en-iso-6271-1-2005)

[https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-
1027d013080/sist-en-iso-6271-1-2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027d013080/sist-en-iso-6271-1-2005)



Reference number
ISO 6271-1:2004(E)

© ISO 2004

ISO 6271-1:2004(E)**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027d013080/sist-en-iso-6271-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027d013080/sist-en-iso-6271-1-2005>

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Reagents	1
6 Apparatus	2
7 Preparation of colour standards	2
8 Sampling	3
9 Procedure	3
10 Expression of results	4
11 Precision	4
12 Test report	4

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>

ISO 6271-1:2004(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 6271-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*, in collaboration with ASTM D 01.34, *Naval Stores*. It has been harmonized with ASTM D 1209-97, *Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)*.

This first edition cancels and replaces ISO 6271:1997, which has been technically revised.

ISO 6271 consists of the following parts, under the general title *Clear liquids — Estimation of colour by the platinum-cobalt scale*:

- Part 1: *Visual method*
- Part 2: *Spectrophotometric method*

Introduction

ISO 2211, *Liquid chemical products — Measurement of colour in Hazen units (platinum-cobalt scale)*, is not suitable for use in the paint industry.

ISO 6271-1 differs from ISO 2211 in respect to:

- preparation of the stock solution for colour matching (in one way only);
- checking of the stock solution;
- use of tubes with greater viewing depth to obtain a more distinct difference between successive colour standards;
- the single test procedure given is more accurate.

The term “platinum-cobalt colour” used here is preferred over the terms “Hazen colour” and “APHA colour”.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 6271-1:2005](https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/94c4636c-9ca0-4014-8433-1027df013080/sist-en-iso-6271-1-2005>