

# SLOVENSKI STANDARD

## SIST EN ISO 15184:2020

01-april-2020

Nadomešča:  
**SIST EN ISO 15184:2014**

---

**Barve in laki - Ugotavljanje trdote plasti filma s preskusom s svinčnikom (ISO 15184:2020)**

Paints and varnishes - Determination of film hardness by pencil test (ISO 15184:2020)

Beschichtungsstoffe - Bestimmung der Härte von Beschichtungen durch Testen mit Bleistiften (ISO 15184:2020)

**Pre STANDARD PREVIEW**

**(standards.iteh.ai)**

Peintures et vernis - Détermination de la dureté du feuil par l'essai de dureté crayon (ISO 15184:2020)

[SIST EN ISO 15184:2020](#)

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>

**Ta slovenski standard je istoveten z: EN ISO 15184:2020**

---

**ICS:**

87.040

Barve in laki

Paints and varnishes

**SIST EN ISO 15184:2020**

**en,fr,de**

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

SIST EN ISO 15184:2020

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 15184**

January 2020

ICS 87.040

Supersedes EN ISO 15184:2012

English Version

**Paints and varnishes - Determination of film hardness by  
pencil test (ISO 15184:2020)**

Peintures et vernis - Détermination de la dureté du  
feuille par l'essai de dureté crayon (ISO 15184:2020)

Beschichtungsstoffe - Bestimmung der Härte von  
Beschichtungen durch Testen mit Bleistiften (ISO  
15184:2020)

This European Standard was approved by CEN on 6 December 2019.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

<https://standards.iteh.ai/catalog/standards/sist/6334c581-e1be-4fad-aab5>

bd35b4c49199/sist-en-iso-15184-2020



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

Contents	Page
European foreword.....	3

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 15184:2020  
<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>

## European foreword

This document (EN ISO 15184:2020) 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 July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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.

This document supersedes EN ISO 15184:2012.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of ISO 15184:2020 has been approved by CEN as EN ISO 15184:2020 without any modification.

SIST EN ISO 15184:2020

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

SIST EN ISO 15184:2020

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>

# INTERNATIONAL STANDARD

ISO  
**15184**

Third edition  
2020-01

---

---

## Paints and varnishes — Determination of film hardness by pencil test

*Peintures et vernis — Détermination de la dureté du feuil par l'essai  
de dureté crayon*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 15184:2020  
[https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-  
bd35b4c49199/sist-en-iso-15184-2020](https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020)



Reference number  
ISO 15184:2020(E)

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 15184:2020](#)

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>



### COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Principle</b>	<b>2</b>
<b>5 Apparatus</b>	<b>2</b>
<b>6 Sampling</b>	<b>3</b>
<b>7 Test panels</b>	<b>3</b>
7.1 Substrate	3
7.2 Shape and dimensions	3
7.3 Preparation and coating	4
7.4 Drying and conditioning	4
7.5 Thickness of coating	4
<b>8 Procedure</b>	<b>4</b>
<b>9 Types of defect</b>	<b>5</b>
<b>10 Precision</b>	<b>5</b>
<b>11 Test report</b>	<b>iTeh STANDARD PREVIEW</b>
Annex A (informative) Applicability of the pencil hardness test (standards.iteh.ai)	6

SIST EN ISO 15184:2020

<https://standards.iteh.ai/catalog/standards/sist/6334e581-efbe-4fad-aab5-bd35b4c49199/sist-en-iso-15184-2020>