



SLOVENSKI STANDARD
oSIST prEN ISO 6769:2022
01-marec-2022

Steklasti in porcelanski emajli - Ugotavljanje trdote površinskih prask po Mohsovi trdotni lestvici (ISO/DIS 6769:2022)

Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale (ISO/DIS 6769:2022)

Emails und Emailierungen – Bestimmung der Ritzhärte der Oberfläche nach Mohs (ISO/DIS 6769:2022)

Émaux vitrifiés - Détermination de la dureté superficielle suivant l'échelle de Mohs (ISO/DIS 6769:2022)

Ta slovenski standard je istoveten z: oSIST prEN ISO 6769:2022
prEN ISO 6769
<https://standards.iteh.ai/catalog/standards/sis/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>

ICS:

25.220.50 Emajlne prevleke Enamels

oSIST prEN ISO 6769:2022 **en,fr,de**

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

[oSIST prEN ISO 6769:2022](https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022)

<https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>

DRAFT INTERNATIONAL STANDARD

ISO/DIS 6769

ISO/TC 107

Secretariat: KATS

Voting begins on:
2022-01-20Voting terminates on:
2022-04-14

Vitreous and porcelain enamels — Determination of surface scratch hardness according to the Mohs scale

Émaux vitrifiés — Détermination de la dureté superficielle suivant l'échelle de Mohs

ICS: 25.220.50

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 6769:2022](https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022)

<https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO/DIS 6769:2022(E)

© ISO 2022

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

[oSIST prEN ISO 6769:2022](https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022)

<https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	1
5 Reference minerals.....	1
6 Test specimen.....	2
7 Procedure.....	2
8 Assessment of result.....	2
9 Test report.....	2

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 6769:2022](https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022)

<https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>

ISO/DIS 6769:2022(E)**Foreword**

This document (EN 15771:2010) has been prepared by Technical Committee CEN/TC 262 “Metallic and other inorganic coatings”, the secretariat of which is held by BSI.

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 September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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

[oSIST prEN ISO 6769:2022](https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022)

<https://standards.iteh.ai/catalog/standards/sist/ee9ccfb8-b9f6-47e2-b7d2-c1d069724387/osist-pren-iso-6769-2022>

Vitreous and porcelain enamels — Determination of surface scratch hardness according to the Mohs scale

1 Scope

This European Standard specifies a method of test for determining the scratch hardness of the surface of vitreous and porcelain enamels.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 15206, *Vitreous and porcelain enamels — Production of specimens for testing enamel on sheet steel, sheet aluminium and cast iron*

3 Terms and definitions

For the purposes of this document, the following term and definition applies.

3.1

Mohs scale

hardness scale of minerals, characterising the scratch resistance of various minerals through the ability of a harder mineral to scratch a softer mineral

4 Principle

The scratch hardness on the Mohs scale, of vitreous and porcelain enamels is determined by drawing certain minerals of defined hardness, on the Mohs scale, by hand over their surface.

5 Reference minerals

Reference minerals and their Mohs scale hardness are listed in [Table 1](#).

Table 1 — Reference minerals and their Mohs scale hardness

Mineral	Mohs scale hardness
Talc	1
Gypsum	2
Calcite	3
Fluorspar	4
Apatite	5
Felspar	6
Quartz	7
Topaz	8
Corundum	9
Diamond	10