



SLOVENSKI STANDARD SIST EN ISO 10477:2026

01-november-2026

Nadomešča:
SIST EN ISO 10477:2020

Zobozdravstvo - Polimerni materiali za prevleke in mostičke (ISO 10477:2026)

Dentistry - Polymer-based crown and veneering materials (ISO 10477:2026)

Zahnheilkunde - Polymerbasierte Kronen- und Verblendwerkstoffe (ISO 10477:2026)

Médecine bucco-dentaire - Produits à base de polymères pour couronnes et facettes (ISO 10477:2026)

Ta slovenski standard je istoveten z: **EN ISO 10477:2026**

ICS:

11.060.10 Zobotehnični materiali Dental materials

SIST EN ISO 10477:2026

en,fr,de

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10477

September 2026

ICS 11.060.10

Supersedes EN ISO 10477:2020

English Version

Dentistry - Polymer-based crown and veneering materials
(ISO 10477:2026)

Médecine bucco-dentaire - Produits à base de
polymères pour couronnes et facettes (ISO
10477:2026)

Zahnheilkunde - Polymerbasierte Kronen- und
Verblendwerkstoffe (ISO 10477:2026)

This European Standard was approved by CEN on 18 July 2026.

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, Türkiye and United Kingdom.



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

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

© 2026 CEN All rights of exploitation in any form and by any means reserved
worldwide for CEN national Members.

Ref. No. EN ISO 10477:2026 E

Contents	Page
European foreword.....	3

Sample Document

get full document from standards.iteh.ai

European foreword

This document (EN ISO 10477:2026) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" 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 March 2027, and conflicting national standards shall be withdrawn at the latest by March 2027.

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 10477:2020.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 10477:2026 has been approved by CEN as EN ISO 10477:2026 without any modification.

Sample Document

get full document from standards.iteh.ai



**International
Standard**

ISO 10477

**Dentistry — Polymer-based crown
and veneering materials**

*Médecine bucco-dentaire — Produits à base de polymères pour
couronnes et facettes*

**Fifth edition
2026-09**

Sample Document

get full document from standards.iteh.ai

ISO 10477:2026(en)

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

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

© ISO 2026 – All rights reserved

ISO 10477:2026(en)

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	3
5 Requirements	3
5.1 General	3
5.2 Depth of cure	4
5.2.1 General	4
5.2.2 Depth of cure (only type 2 class 2 materials)	4
5.3 Surface finish	4
5.4 Flexural strength	4
5.5 Bond strength	5
5.5.1 Special bonding system without macromechanical retention	5
5.5.2 Values higher than 5 MPa	5
5.6 Water sorption	5
5.7 Solubility	5
5.8 Shade consistency	5
5.9 Colour stability	6
6 Sampling	6
6.1 For all tests	6
6.2 For test of shade consistency	6
6.3 For test of colour stability	6
7 Measurement and test methods	6
7.1 General	6
7.1.1 Ambient test conditions	6
7.1.2 Water	6
7.1.3 Preparation of test specimens	6
7.2 Visual inspection	7
7.3 Depth of cure (only for type 2, class 2 if not opaque resin)	7
7.3.1 Apparatus	7
7.3.2 Materials	8
7.3.3 Procedure and specimen preparation	9
7.3.4 Expression of results	9
7.4 Surface finish	9
7.4.1 Apparatus (for type 2 class 3 and type 4 materials)	9
7.4.2 Materials	9
7.4.3 Specimen preparation	9
7.4.4 Surface polishing	10
7.5 Flexural strength	10
7.5.1 Apparatus	10
7.5.2 Materials	11
7.5.3 Preparation of test specimens	11
7.5.4 Procedure	12
7.5.5 Expression of results	13
7.6 Bond strength (only type 1, type 2 classes 1 and 2 and type 3 materials)	13
7.6.1 Apparatus	13
7.6.2 Materials	14
7.6.3 Preparation of test specimens	15
7.6.4 Procedure	15
7.6.5 Expression of results	15