

# SLOVENSKI STANDARD

## SIST EN ISO 8442-9:2018

01-december-2018

---

### Materiali in predmeti v stiku z živilni - Pribor in namizna posoda - 9. del: Zahteve za keramične nože (ISO 8442-9:2018)

Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

Werkstoffe und Gegenstände in Kontakt mit Lebensmitteln - Schneidwaren und Tafelgeräte - Teil 9: Anforderungen für keramische Messer (ISO 8442-9:2018)

Matériaux et objets en contact avec les denrées alimentaires - Coutellerie et orfèvrerie de table - Partie 9: Exigences relatives aux couteaux en céramiques (ISO 8442-9:2018)

<https://standards.iteh.ai/catalog/standards/sist/4f6c61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>

**Ta slovenski standard je istoveten z: EN ISO 8442-9:2018**

---

#### **ICS:**

67.250	Materiali in predmeti v stiku z živilni	Materials and articles in contact with foodstuffs
97.040.60	Kuhinjska posoda, jedilni servisi in jedilni pribor	Cookware, cutlery and flatware

**SIST EN ISO 8442-9:2018**

**en,fr,de**

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

[SIST EN ISO 8442-9:2018](https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018)

<https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>

EUROPEAN STANDARD

EN ISO 8442-9

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 67.250; 97.040.60

English Version

## Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

Matériaux et objets en contact avec les denrées alimentaires - Coutellerie et orfèvrerie de table - Partie 9: Exigences relatives aux couteaux en céramiques (ISO 8442-9:2018)

Werkstoffe und Gegenstände in Kontakt mit Lebensmitteln - Schneidwaren und Tafelgeräte - Teil 9: Anforderungen für keramische Messer (ISO 8442-9:2018)

This European Standard was approved by CEN on 10 March 2018.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey 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

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

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

[SIST EN ISO 8442-9:2018](https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018)  
<https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>

## European foreword

This document (EN ISO 8442-9:2018) has been prepared by Technical Committee ISO/TC 186 “Cutlery and table and decorative metal hollow-ware” in collaboration with Technical Committee CEN/TC 194 “Utensils in contact with food” the secretariat of which is held by AFNOR.

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 2018, and conflicting national standards shall be withdrawn at the latest by September 2018.

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.

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

### Endorsement notice

The text of ISO 8442-9:2018 has been approved by CEN as EN ISO 8442-9:2018 without any modification.

[SIST EN ISO 8442-9:2018](https://standards.iteh.ai/catalog/standards/sist/4fd61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018)

<https://standards.iteh.ai/catalog/standards/sist/4fd61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>

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

[SIST EN ISO 8442-9:2018](https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018)

<https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>

INTERNATIONAL  
STANDARD

ISO  
8442-9

First edition  
2018-02

---

---

**Materials and articles in contact  
with foodstuffs — Cutlery and table  
holloware —**

**Part 9:  
Requirements for ceramic knives**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**  
*Matériaux et objets en contact avec les denrées alimentaires —  
Coutellerie et orfèvrerie de table —  
Partie 9: Exigences relatives aux couteaux en céramique*

[SIST EN ISO 8442-9:2018](https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018)

<https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>



Reference number  
ISO 8442-9:2018(E)

© ISO 2018

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

SIST EN ISO 8442-9:2018

<https://standards.iteh.ai/catalog/standards/sist/4fdc61a3-2922-45e7-bfd6-47b6d0a5b9d1/sist-en-iso-8442-9-2018>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

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, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

Published in Switzerland

# Contents

	Page
Foreword .....	iv
<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 Materials and construction</b> .....	<b>2</b>
<b>5 Performance requirements</b> .....	<b>2</b>
5.1 Hardness of ceramic blades .....	2
5.2 Sharpness and edge retention .....	2
5.3 Impact resistance of inclined plane of ceramic blades .....	3
5.3.1 General .....	3
5.3.2 Apparatus .....	3
5.3.3 Procedure .....	3
5.4 Bonding strength of the coating and printing of ceramic blades .....	3
5.4.1 General .....	3
5.4.2 Apparatus .....	3
5.4.3 Procedure .....	3
5.5 Dishwasher safety .....	4
5.6 Resistance to thermal shock .....	4
<b>6 Safety instructions</b> .....	<b>4</b>
<b>Annex A (normative) Metallography examination</b> .....	<b>5</b>
<b>Annex B (normative) Schematic diagram of impact resistance of inclined plane of ceramic blade</b> ..	<b>6</b>
<b>Annex C (normative) Bonding strength test apparatus for the coating and printing of ceramic blade</b> .....	<b>8</b>
<b>Bibliography</b> .....	<b>9</b>