

## SLOVENSKI STANDARD SIST EN ISO 14344:2024

01-december-2024

Nadomešča:

SIST EN ISO 14344:2011

Dodajni in pomožni materiali za varjenje - Nabava dodajnih materialov in praškov (ISO 14344:2024)

Welding consumables - Procurement of filler materials and fluxes (ISO 14344:2024)

Schweißzusätze - Beschaffung von Schweißzusätzen (ISO 14344:2024)

Produits consommables pour le soudage - Approvisionnement en matériaux d'apport et flux (ISO 14344:2024)

Ta slovenski standard je istoveten z: EN ISO 14344:2024

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 14344:2024 en,fr,de

# iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 14344:2024

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

**EN ISO 14344** 

September 2024

ICS 25.160.20

Supersedes EN ISO 14344:2010

#### **English Version**

# Welding consumables - Procurement of filler materials and fluxes (ISO 14344:2024)

Produits consommables pour le soudage -Approvisionnement en matériaux d'apport et flux (ISO 14344:2024) Schweißzusätze - Beschaffung von Schweißzusätzen (ISO 14344:2024)

This European Standard was approved by CEN on 17 May 2024.

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.

#### SIST EN ISO 14344:2024

https://standards.iteh.ai/catalog/standards/sist/0a918f3d-3aad-4e46-9756-b8e715934ab3/sist-en-iso-14344-2024



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

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

#### EN ISO 14344:2024 (E)

Contents	Page
European foreword	3

## iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 14344:2024

### **European foreword**

This document (EN ISO 14344:2024) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" 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 March 2025, and conflicting national standards shall be withdrawn at the latest by March 2025.

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 14344:2010.

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 14344:2024 has been approved by CEN as EN ISO 14344:2024 without any modification.

# iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 14344:2024



# International Standard

## **ISO 14344**

# Welding consumables — Procurement of filler materials and fluxes

Produits consommables pour le soudage — Approvisionnement approvisionnement apport et flux

(https://standards.iteh.ai)
Document Preview

IST EN ISO 14344:202

https://standards.iteh.ai/catalog/standards/sist/0a918f3d-3aad-4e46-9756-b8e715934ab3/sist-en-iso-14344-2024

Third edition 2024-09

ISO 14344:2024(en)

## iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 14344:2024

https://standards.iteh.ai/catalog/standards/sist/0a918f3d-3aad-4e46-9756-b8e715934ab3/sist-en-iso-14344-2024



#### COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

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 14344:2024(en)

Contents		Page	
Forew	ord		iv
Intro	ductio	on	v
1	Scop	oe	1
2	Normative references		1
3			
3	Terms and definitions		
4		classification	
	4.1	General	
	4.2	Solid welding consumables	
		4.2.1 Lot class S1	
		4.2.2 Lot class S2	
		4.2.3 Lot class S3	
		4.2.4 Lot class S4	
		4.2.5 Lot Class S5	
	4.3	Tubular cored electrodes and rods	
		4.3.1 Lot Class T1	
		4.3.2 Lot Class T2	
		4.3.3 Lot Class T3	
		4.3.4 Lot Class T4	
	4.4	Covered electrodes	
		4.4.1 Lot Class C1	
		4.4.2 Lot Class C2	
		4.4.3 Lot Class C3	
		4.4.4 Lot Class C4	
		4.4.5 Lot Class C5	
	4.5	Fluxes for electroslag and submerged arc welding	6
		4.5.1 Lot Class F1	6
		4.5.2 Lot Class F2	6
5	Test	ting schedule	6
	5.1	General <u>\$181 EN 180 14344:2024</u>	6
	5.2	ds Schedule 1 or F. andards/sist/0a918f3d-3aad-4e46-9756-b8e715934ab3/sis	t-en-iso-14344-2 <del>7</del> 2
	5.3	Schedule 2 or G	7
	5.4	Schedule 3 or H	7
	5.5	Schedule 4 or I	7
	5.6	Schedule 5 or J	
	5.7	Schedule 6 or K	8
6	Certification		Я
U	6.1	General	
	6.2	Certificates	
	0.2	6.2.1 Certificate of compliance	
		6.2.2 Certificate of conformance	
		6.2.3 Certified material test report (CMTR)	
	6.3	Inspection documents	
Annes		nformative) Examples of how to apply the 24 h limitation	
Biblio	-		12

#### ISO 14344:2024(en)

#### 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="https://www.iso.org/directives">www.iso.org/directives</a>).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <a href="https://www.iso.org/patents">www.iso.org/patents</a>. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding and allied processes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 14344:2010), which has been technically revised.

The main changes are as follows:

- content from scope has been moved to the introduction;
- in Clause 2, reference is made to ISO 544, ISO 10474 and EN 10204;
- in Clause 3, terms and definitions have been revised and the list expanded;
- Clause 5 has been significantly revised.

should Any feedback or questions this document be directed to the found standards body. complete listing these bodies be national Α of can www.iso.org/members.html. Official interpretations, where they exist, are available from this page: https://committee.iso.org/sites/tc44/home/interpretation.html. Official interpretations, where they exist, are available from this page: https://committee.iso.org/sites/tc44/home/interpretation.html.