



SLOVENSKI STANDARD
SIST EN ISO 14174:2012

01-maj-2012

Nadomešča:
SIST EN 760:1996

Dodajni materiali za varjenje - Praški za varjenje pod praškom in varjenje pod žlindro - Razvrstitev (ISO 14174:2012)

Welding consumables - Fluxes for submerged arc welding and electroslag welding - Classification (ISO 14174:2012)

Schweißzusätze - Pulver zum Unterpulverschweißen und Elektroschlackeschweißen - Einteilung (ISO 14174:2012)

Produits consommables pour le soudage - Flux pour le soudage à l'arc sous flux et le soudage électrique sous laitier - Classification (ISO 14174:2012)

Ta slovenski standard je istoveten z: EN ISO 14174:2012

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 14174:2012

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14174:2012

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>

EUROPEAN STANDARD

EN ISO 14174

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2012

ICS 25.160.20

Supersedes EN 760:1996

English Version

Welding consumables - Fluxes for submerged arc welding and electroslag welding - Classification (ISO 14174:2012)

Produits consommables pour le soudage - Flux pour le soudage à l'arc sous flux et le soudage sous laitier - Classification (ISO 14174:2012)

Schweißzusätze - Pulver zum Unterpulverschweißen und Elektroschlackeschweißen - Einteilung (ISO 14174:2012)

This European Standard was approved by CEN on 28 January 2012.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

[SIST EN ISO 14174:2012](https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012)

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

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

SIST EN ISO 14174:2012

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>

Foreword

This document (EN ISO 14174:2012) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding" 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 August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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.

This document supersedes EN 760:1996.

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, Turkey and the United Kingdom.

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

The text of ISO 14174:2012 has been approved by CEN as a EN ISO 14174:2012 without any modification.

[SIST EN ISO 14174:2012](https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012)

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14174:2012

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>

INTERNATIONAL STANDARD

ISO
14174

Second edition
2012-02-01

Welding consumables — Fluxes for submerged arc welding and electroslag welding — Classification

*Produits consommables pour le soudage — Flux pour le soudage à
l'arc sous flux et le soudage sous laitier — Classification*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14174:2012](https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012)

[https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-
f40d846b055/sist-en-iso-14174-2012](https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012)



Reference number
ISO 14174:2012(E)

© ISO 2012

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 14174:2012

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Classification	1
4 Symbols	2
4.1 Symbol for the product/process	2
4.2 Symbol for method of manufacture	2
4.3 Symbol for type of flux, characteristic chemical constituents	2
4.4 Symbol for applications, flux class	2
4.5 Symbol for metallurgical behaviour	4
4.6 Symbol for type of current	6
4.7 Symbol for diffusible hydrogen content in deposited weld metal (class 1 fluxes only)	7
5 Particle size range	7
6 Rounding procedure	8
7 Retest	8
8 Technical delivery conditions	8
9 Marking	8
10 Designation	9
Annex A (informative) Characteristic chemical constituents of flux — Determination from elemental analysis	10
Annex B (informative) Description of flux types	12
Bibliography	15

ISO 14174:2012(E)

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14174 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

This second edition cancels and replaces the first edition (ISO 14174:2004), which has been technically revised.

Requests for official interpretations of any aspect of this International Standard should be directed to the Secretariat of ISO/TC 44/SC 3, via your national standards body. A complete listing of these bodies can be found at www.iso.org.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14174:2012

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>

Introduction

This International Standard is based on EN 760:1996^[1].

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 14174:2012](https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012)

<https://standards.iteh.ai/catalog/standards/sist/78c1b2f8-04f5-45f4-967f-f40d846b055/sist-en-iso-14174-2012>