



**SLOVENSKI STANDARD**  
**SIST EN ISO 9455-12:2001**

**01-februar-2001**

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**Talila za mehko spajkanje - Preskusne metode - 12. del: Korozijski preskus jeklenih cevi (ISO 9455-12:1992)**

Soft soldering fluxes - Test methods - Part 12: Steel tube corrosion test (ISO 9455-12:1992)

Flußmittel zum Weichlöten - Prüfverfahren - Teil 12: Stahl-Röhrchen-Korrosionstest (ISO 9455-12:1992)

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Flux de brasage tendre - Méthodes d'essai - Partie 12: Essai de corrosion des tubes d'acier (ISO 9455-12:1992)

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**Ta slovenski standard je istoveten z: EN ISO 9455-12:1994**

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**ICS:**

25.160.50      Trdo in mehko lotanje      Brazing and soldering

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**en**

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EUROPEAN STANDARD

EN ISO 9455-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1994

UDC 621.791.5.048:620.193.4

Descriptors: Soldering, soldering fluxes, corrosion tests, test specimens, steel tubes

English version

**Soft soldering fluxes - Test methods - Part 12:  
Steel tube corrosion test (ISO 9455-12:1992)**

Flux de brasage tendre - Méthodes d'essai -  
Partie 12: Essai de corrosion des tubes d'acier  
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This European Standard was approved by CEN on 1994-09-06. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

**Foreword**

This European Standard was taken over by the Technical Committee CEN/TC 121 "Welding" from the work of ISO/TC 44 "Soft soldering fluxes - Test methods" of the International Standards Organization (ISO).

CEN/TC 121 had decided to submit the final draft for Unique Acceptance Procedure. The result was positive.

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 1995, and conflicting national standards shall be withdrawn at the latest by March 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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**Endorsement notice**

The text of the International Standard ISO 9455-12:1992 was approved by CEN as a European Standard without any modification.

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**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 9454-1	1990	Soft soldering fluxes - Classification and requirements - Part 1: Classification, labelling and packaging	EN 29454-1	1993

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# INTERNATIONAL STANDARD

**ISO**  
**9455-12**

First edition  
1992-08-01

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## Soft soldering fluxes — Test methods —

### Part 12: Steel tube corrosion test

**iTeh STANDARD PREVIEW**

*Flux de brasage tendre — Méthodes d'essai —*

*Partie 12: Essai de corrosion des tubes d'acier*

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Reference number  
ISO 9455-12:1992(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.

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.

International Standard ISO 9455-12 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Sub-Committee SC 12, *Soldering and brazing materials*.

ISO 9455 consists of the following parts, under the general title *Soldering fluxes — Test methods*:

- Part 1: *Determination of non-volatile matter, gravimetric method*
- Part 2: *Determination of non-volatile matter, ebulliometric method*
- Part 3: *Determination of acid value, potentiometric and visual titration methods*
- Part 5: *Copper mirror test*
- Part 6: *Determination of halide content*
- Part 8: *Determination of zinc content*
- Part 9: *Determination of ammonia content*
- Part 10: *Flux efficacy tests, solder spread method*
- Part 11: *Solubility of flux residues*
- Part 12: *Steel tube corrosion test*

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- *Part 13: Determination of flux spattering*
- *Part 14: Assessment of tackiness of flux residues*
- *Part 15: Copper corrosion test*
- *Part 16: Flux efficacy tests, wetting balance method*
- *Part 17: Determination of surface insulation resistance of flux residues (Comb test)*

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