



SLOVENSKI STANDARD

SIST EN 12074:2001

01-maj-2001

Dodajni in pomožni materiali za varjenje - Zahteve po kakovosti za izdelavo, nabavo in prodajo dodajnih materialov za varjenje in sorodne postopke

Welding consumables - Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes

Schweißzusätze - Qualitätsanforderungen für die Herstellung, die Lieferung und den Vertrieb von Zusätzen für das Schweißen und verwandte Verfahren

Produits consommables pour le soudage - Exigences de qualité pour la fabrication, la fourniture et la distribution des produits consommables pour le soudage et les techniques connexes

<https://standards.iteh.ai/catalog/standards/sist/b5ac625d-77c3-4e25-8468-f627a8c9222c/sist-en-12074-2001>

Ta slovenski standard je istoveten z: EN 12074:2000

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12074

April 2000

ICS 25.160.20

English version

Welding consumables - Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes

Produits consommables pour le soudage - Exigences de qualité pour la fabrication, la fourniture et la distribution des produits consommables pour le soudage et les techniques connexes

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This European Standard was approved by CEN on 6 September 1999.

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.

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 Central Secretariat has the same status as the official versions.

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



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

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

Content	Page
Foreword	3
1 Scope	4
2 Normative references	5
3 Definitions	5
3.1 manufacturer:	5
3.2 supplier:	5
3.3 distributor:	5
3.4 subcontractor:	5
4 Organization	6
4.1 Management representative	6
4.2 Verification, resources and personnel	6
4.3 Management review	6
5 Quality system	6
6 Order review	6
7 Document control	7
8 Purchasing	7
8.1 Assessment of sub-contractors	7
8.2 Purchasing specification	7
9 Identification and traceability during production and delivery	8
10 Production facilities	8
11 Production process control	8
12 Inspection and testing	9
12.1 Inspection, measuring and test equipment	9
12.2 Receiving inspection and testing	9
12.3 In-process inspection and testing	9
12.4 Final testing, inspection and release from production	9
13 Nonconforming materials or consumables	10
14 Corrective action	10
15 Handling, packaging and storage	10
15.1 Handling	10
15.2 Packaging	10
15.3 Storage	10
16 Quality records	11
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU directives.	12
Annex ZB (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU directives.	13

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS.

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 October 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.

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

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1 Scope

This standard has been prepared such that:

- it is independent of the type of consumable to be manufactured and delivered;
- it defines quality requirements for manufacture, supply and distribution of consumables;
- it provides guidance for manufacturers, suppliers and distributors of consumables for describing the capability to manufacture, supply and deliver consumables for welding and allied processes to meet specified requirements;
- it can also be used as a basis for assessing and certifying the manufacturer, supplier and distributor in respect to his capability.

This standard is appropriate when demonstration of a manufacturer's, a supplier's or a distributor's capability to manufacture, supply and deliver consumables for welding and allied processes is specified in one or more of the following:

- a contract between involved parties;
- an application standard;
- a standard for approval of welding consumables;
- a regulatory requirement.

The requirements in the standard provide a framework for control of manufacture, supply and distribution of consumables in the following cases:

- a) to identify the requirements for manufacture, supply and distribution of consumables in contracts which require the manufacturer, the supplier or the distributor to have a quality system in accordance with EN ISO 9001 or EN ISO 9002;
- b) to provide specific requirements for manufacture, supply and distribution of consumables as a guidance to manufacturers, suppliers or distributors developing a quality system;
- c) to provide specific requirements for manufacture, supply and distribution of consumables in specifications, standards and regulations which require the manufacturer, the supplier or the distributor of consumables to have a quality system as a condition for approval or certification of consumables.

A company qualified in accordance with EN ISO 9001 or EN ISO 9002 as manufacturer or supplier of welding consumables, as appropriate, shall be deemed to comply with this standard.

2 Normative references

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.

EN 759	Welding consumables - Technical delivery conditions for welding filler metals - Type of product, dimensions, tolerances and marking
EN ISO 9001	Quality systems - Model for quality assurance in design, development, production, installation and servicing
EN ISO 9002	Quality systems - Model for quality assurance in production, installation and servicing

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 manufacturer:

The party who manufactures the consumables totally or performs the final part of production, which determines the quality of the consumables.

Those purchasing the above-mentioned products as semi-finished or finished products, but undertaking the full guarantee with regard to the chemical composition, quality and properties of these products and ensuring inspection of the production and products, are also regarded as manufacturers.

3.2 supplier:

The party who purchases the welding consumable from a manufacturer and supplies it under his own brand name.

3.3 distributor:

The party who receives the consumable from a manufacturer or supplier and distributes it under the manufacturer's or supplier's brand name.

3.4 subcontractor:

The party who on the order of a manufacturer can produce part or the whole of the consumable or on the order of a manufacturer or supplier can provide service.

4 Organization

4.1 Management representative

The manufacturer, supplier and distributor shall appoint a management representative who, irrespective of other responsibilities, shall have defined authority and responsibility for quality matters and for ensuring that the requirements of this standard are implemented and maintained.

For the manufacturer this person shall be independent from production.

In particular he shall be responsible for:

- the coordination and monitoring of the quality system;
- the resolution of any non-conformity in the system;
- the implementation of timely and effective action by the appropriate department to ensure compliance with specified requirements.

4.2 Verification, resources and personnel

The manufacturer, supplier or distributor shall identify in-house verification requirements, provide adequate resources and assign trained personnel for appropriate verification activities.

4.3 Management review

The quality system adopted to satisfy the requirements of this standard shall be reviewed at appropriate intervals by the manufacturer's, supplier's or distributor's management to ensure its continuing suitability and effectiveness. Records of such reviews shall be maintained.

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5 Quality system

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The manufacturer, supplier or distributor shall establish and maintain a documented quality system as a means of ensuring that consumables conform to specified requirements. This shall include the preparation and implementation of documented procedures and/or instructions and the use of periodic internal audits to determine the effectiveness of this system.

6 Order review

The manufacturer, supplier or distributor shall establish and maintain procedures for order review. Each order shall be reviewed to ensure that:

- the requirements are adequately defined;
- the contractual requirements can be met.

7 Document control

The manufacturer, supplier or distributor shall establish and maintain clear, complete and current written production, inspection and test procedures for each operation, including those relating to the assessment of the adequacy of process controls. These documents shall be reviewed and approved by personnel, authorised by the management representative, prior to issue. This control shall ensure that:

- appropriate documents are available at all locations where operations essential to quality are performed;
- obsolete documents are promptly removed from all points of use.

Changes of documents shall be reviewed and approved by the authorized personnel. They shall have access to pertinent appropriate background information, and specifically to any specifications or a standard to which conformity is claimed for consumables.

Where practicable, the nature of the change shall be identified in the document or the appropriate attachments.

8 Purchasing

The manufacturer, supplier or distributor shall ensure that the intended purchased product, raw material or service conforms to specified requirements.

8.1 Assessment of sub-contractors

The manufacturer, supplier or distributor can subcontract elements of manufacture or service, which have a bearing on the quality of the finished consumables. Such sub-contractors shall be assessed on their ability to meet sub-contract requirements, by the manufacturer, supplier or distributor or by approval by a third body. Records of sub-contractors shall be established and maintained and shall indicate the basis for acceptance.

[SIST EN 12074:2001](#)

8.2 Purchasing specification

Purchasing specifications shall be reviewed and approved by authorized personnel and clearly define the consumable, raw material or service. They shall include, where applicable:

- the type, class, grade or other precise identification using recognised standards, wherever possible;
- the title or other positive identification and applicable issue of specifications, process requirements, inspection instructions and other relevant technical data. Such specifications shall include, in the case of rod, wire, strip, powders or solutions, whatever limits need to be placed on chemical composition or physical conditions to ensure that the finished product meets the specified requirements.