

# SLOVENSKI STANDARD

## SIST EN ISO 14116:2008

01-junij-2008

Nadomešča:  
SIST EN 533:1998

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**Varovalna obleka - Zaščita pred učinki toplote in plamena - Materiali, kombinacije materialov in oblačila z omejeno stopnjo gorljivosti (ISO 14116:2008)**

Protective clothing - Protection against heat and flame - Limited flame spread materials, material assemblies and clothing (ISO 14116:2008)

Schutzkleidung - Schutz gegen Hitze und Flammen - Materialien, Materialkombinationen und Kleidung mit begrenzter Flammenausbreitung (ISO 14116:2008)

Vêtements de protection - Protection contre la chaleur et la flamme - Matériaux, assemblages de matériaux et vêtements à propagation de flamme limitée (ISO 14116:2008)

**Ta slovenski standard je istoveten z: EN ISO 14116:2008**

**ICS:**

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
13.340.10	Varovalna obleka	Protective clothing

**SIST EN ISO 14116:2008**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 14116**

April 2008

ICS 13.340.10

Supersedes EN 533:1997

English Version

**Protective clothing - Protection against heat and flame - Limited  
flame spread materials, material assemblies and clothing (ISO  
14116:2008)**

Vêtements de protection - Protection contre la chaleur et la  
flamme - Matériaux, assemblages de matériaux et  
vêtements à propagation de flamme limitée (ISO  
14116:2008)

Schutzkleidung - Schutz gegen Hitze und Flammen -  
Materialien, Materialkombinationen und Kleidung mit  
begrenzter Flammenausbreitung (ISO 14116:2008)

This European Standard was approved by CEN on 2 November 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 and United Kingdom.



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

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<b>Contents</b>	<b>Page</b>
Foreword.....	3
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC.....	4

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## Foreword

This document (EN ISO 14116:2008) has been prepared by Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

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 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

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 533:1997.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

For relationship with EC Directive(s), see informative Annex ZA which is an integral part of this document.

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, 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 and the United Kingdom.

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## Annex ZA (informative)

### Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 89/686/EEC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

**Table ZA.1 — Correspondence between this International Standard and Directive 89/686/EEC**

Clause(s)/sub-clause(s) of this International Standard	Essential requirements (ERs) of EU Directive 89/686/EEC, Annex II	Qualifying remarks/Notes
4.1, 4.4, 4.5, 4.6	1.2.1 Absence of risks and other inherent nuisance factors	
5.2.2	1.4 Information supplied by the manufacturer	
5.2.3	2.4 PPE subject to ageing	
5.2.4	1.4 Information supplied by the manufacturer	
5.2.5	1.4 Information supplied by the manufacturer	
6.1	3.6.1 PPE constituent materials and other components	
6.2	1.3.2 Lightness and design strength	
7	1.1.2.2 Classes of protection appropriate to different levels of risk	
8.3	1.4 Information supplied by the manufacturer	
8.3	2.12 PPE bearing identification marks related to health and safety	
9	1.4 Information supplied by the manufacturer	

**WARNING — Other requirements and other EU Directives may be applicable to the products falling within the scope of this International Standard.**

INTERNATIONAL  
STANDARD

ISO  
14116

First edition  
2008-04-15

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**Protective clothing — Protection against  
heat and flame — Limited flame spread  
materials, material assemblies and  
clothing**

*Vêtements de protection — Protection contre la chaleur et la flamme —  
Matériaux, assemblages de matériaux et vêtements à propagation de  
flamme limitée*

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Reference number  
ISO 14116:2008(E)

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## 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 14116 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in collaboration with Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

ISO 14116 supersedes EN 533:1997, which has been technically revised to include:

- a) the testing of clothing for limited contact with flames specified;
- b) the requirements for the design of clothing specified;
- c) the requirements for mechanical performance of clothing specified;
- d) the ageing due to washing specified (maximum number of cleaning procedures as indicated by the manufacturer);
- e) the marking requirements modified;
- f) the information to be supplied by the manufacturer modified.