

**SILMADE JA NÄOKAITSEVAHENDID. PÄIKESEPRILLID JA
KAITSEPRILLID. OSA 2: PÄIKESE VAATLUSE FILTRID**

**Eye and face protection - Sunglasses and related
eyewear - Part 2: Filters for direct observation of the
sun (ISO 12312-2:2015)**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN ISO 12312-2:2015 sisaldab Euroopa standardi EN ISO 12312-2:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 12312-2:2015 consists of the English text of the European standard EN ISO 12312-2:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Eye and face protection - Sunglasses and related eyewear - Part
2: Filters for direct observation of the sun (ISO 12312-2:2015)

Protection des yeux et du visage - Lunettes de soleil et
articles de lunetterie associés - Partie 2: Filtres pour
l'observation directe du soleil (ISO 12312-2:2015)

Augen- und Gesichtsschutz - Sonnenbrillen und ähnlicher
Augenschutz - Teil 2: Filter für die direkte Beobachtung der
Sonne (ISO 12312-2:2015)

This European Standard was approved by CEN on 16 April 2015.

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

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European foreword

This document (EN ISO 12312-2:2015) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment" in collaboration with Technical Committee CEN/TC 85 "Eye protective equipment" 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, 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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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.

Endorsement notice

The text of ISO 12312-2:2015 has been approved by CEN as EN ISO 12312-2:2015 without any modification.

Annex ZA (informative)

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

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 – Personal Protective Equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the 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 European Standard and Directive 89/686/EEC

Clause(s)/sub-clause(s) of this European Standard	Essential Requirements (ERs) of Directive 89/686/EEC	Qualifying remarks/Notes
4.3.3	1.2.1.1. Suitable constituent materials	
4.3.3	1.2.1.2. Satisfactory surface condition of all PPE parts in contact with the user	
4.2.1	1.2.1.3. Maximum permissible user impediment	
4.3.1, 4.3.2	1.3.1. Adaptation of PPE to user morphology	
5	1.4. Information supplied by the manufacturer	
4.3.2	2.3. PPE for the face, eyes and respiratory tracts	Subclause 4.3.2 covers only the first paragraph of this ER. Other paragraphs are not relevant for the intended use.
4.1, 4.3.2	3.9.1. Non-ionizing radiation	Subclauses 4.1 and 4.3.2 cover the first two paragraphs of this ER. Other paragraphs are not relevant for the intended use.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements and associated test methods	1
4.1 Transmittance.....	1
4.1.1 General.....	1
4.1.2 Uniformity of luminous transmittance.....	2
4.2 Material and surface quality.....	2
4.2.1 Requirements.....	2
4.2.2 Test method.....	2
4.3 Mounting.....	2
4.3.1 General.....	2
4.3.2 Dimensions.....	2
4.3.3 Material quality.....	3
5 Labelling	3
Annex A (informative) Use of filters for direct observation of the sun	4
Annex B (informative) Solar eclipse eye safety: User's guide [23]	6
Bibliography	10

Foreword

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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 documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 6, *Eye and face protection*.

ISO 12312 consists of the following parts, under the general title *Eye and face protection — Sunglasses and related eyewear*:

- *Part 1: Sunglasses for general use*
- *Part 2: Filters for direct observation of the sun*