

SLOVENSKI STANDARD
oSIST prEN ISO 21420:2018
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Varovalne rokavice - Splošne zahteve in preskusne metode (ISO/DIS 21420:2018)

Protective gloves - General requirements and test methods (ISO/DIS 21420:2018)

Schutzhandschuhe - Allgemeine Anforderungen und Prüfverfahren (ISO/DIS 21420:2018)

Gants de protection - Exigences générales et méthodes d'essai (ISO/DIS 21420:2018)

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13.340.40 Varovanje dlani in rok Hand and arm protection

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Protective gloves — General requirements and test method.

Gants de protection — Exigences générales et méthodes d'essai

ICS: 13.340.40

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ISO/DIS 21420:2018(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.

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ISO 21420 was prepared by Technical Committee ISO/TC 94, *Personal safety -- Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing* and by Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets* in collaboration.

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Introduction

This Standard is a reference standard to be called up as appropriate by the specific Standards relevant or applicable to protective gloves.

This standard should not be used alone, but only in combination with the appropriate specific standard.

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Protective gloves — General requirements and test method.

1 Scope

This standard defines the general requirements and relevant test procedures for glove design and construction, resistance of glove materials to water penetration, innocuousness, comfort and efficiency, marking and information supplied by the manufacturer applicable to all protective gloves.

NOTE It can also apply to arm protectors and gloves permanently incorporated in containment enclosures.

This Standard does not address the protective properties of gloves and therefore shall not be used alone but only in combination with the appropriate specific Standard(s).

A non exhaustive list of these standards is given in the Bibliography.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 14268, *Leather — Physical and mechanical tests — Determination of water vapour permeability*

ISO 11092, *Textiles — Physiological effects — Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)*

ISO 17075, *Leather — Chemical tests — Determination of chromium(VI) content (ISO 17075:2007)*

ISO 4045, *Leather — Determination of pH (ISO 4045:1977)*

ISO 3071, *Textiles — Determination of pH of aqueous extract*

ISO 374-1, *Protective gloves against dangerous chemicals and micro-organisms — Part 1: Terminology and performance requirements for chemical risks*

ISO 3758, *Textiles — Care labelling code using symbols*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

EN 1811, *Reference test method for release of nickel from post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin*

EN 14362-1, *Textiles – Methods for determination of certain aromatic amines derived from azo colourants*

EN 17234-1, *Leather – Chemical tests for the determination of certain azo-colourants in dyed leather – Part 1: determination of certain aromatic amines derived from azo colourants*

prEN 16778, *Determination of dimethylformamide in gloves*

EN 16350, *Protective gloves – Electrostatic properties*

EN 1149-1, *Protective clothing — Electrostatic properties — Part 1: Surface resistivity (Test methods and requirements)*

EN 1149-3, *Protective clothing — Electrostatic properties — Part 3: Test methods for measurement of charge decay*

ISO 14268, *Leather — Physical and mechanical tests — Determination of water vapour permeability*

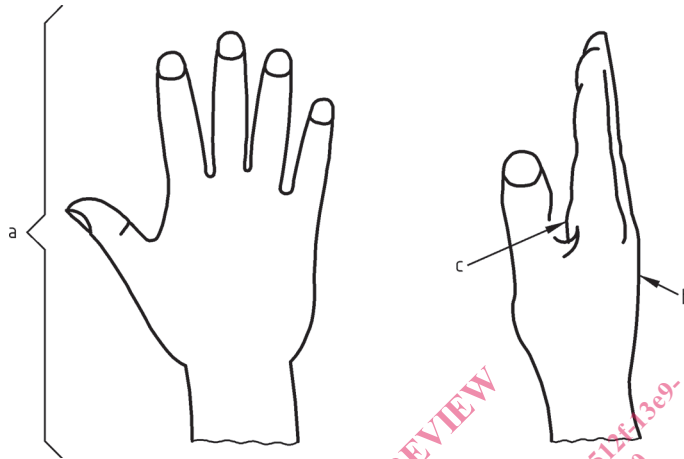
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ISO 11092, *Textiles — Physiological effects — Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)*

EN ISO 20344, *Personal protective equipment – test method for footwear*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply (see [Figure 1](#)).



Key

- a Hand
- b Back
- c Palm
- d Wrist

Figure 1 — Definitions of hand, palm, back and wrist

3.1 hand

part of the body from the tip of the middle finger to the wrist

3.2 glove

personal protective equipment (PPE) which protects the hand or part of the hand against hazards. It can additionally cover part of the forearm and arm

3.3 glove palm

part of the glove which covers the palm of the hand, i.e. from the wrist to the base of the fingers

3.4 glove back

part of the glove which covers the back of the hand, i.e. from the wrist to the base of the fingers

3.5 dexterity

manipulative ability to perform a task with the hands

3.6 hazard

situation which can be the cause of any harm or damage to the health of the human body. A non exhaustive list of specific standards dealing with hazards is given in the Bibliography