



SLOVENSKI STANDARD
oSIST prEN ISO 374-5:2022

01-december-2022

Varovalne rokavice za zaščito pred nevarnimi kemikalijami in mikroorganizmi - 5. del: Izrazje in zahtevane lastnosti za zaščito pred tveganji, povezanimi z mikroorganizmi (ISO/DIS 374-5:2022)

Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organisms risks (ISO/DIS 374-5:2022)

Schutzhandschuhe gegen gefährliche Chemikalien und Mikroorganismen - Teil 5: Terminologie und Leistungsanforderungen für Risiken durch Mikroorganismen (ISO/DIS 374-5:2022)

Gants de protection contre les produits chimiques dangereux et les micro-organismes - Partie 5: Terminologie et exigences de performance pour les risques par les micro-organismes (ISO/DIS 374-5:2022)

Ta slovenski standard je istoveten z: prEN ISO 374-5

ICS:

13.340.40 Varovanje dlani in rok Hand and arm protection

oSIST prEN ISO 374-5:2022

en,fr,de

DRAFT INTERNATIONAL STANDARD

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Protective gloves against dangerous chemicals and micro-organisms —

Part 5: Terminology and performance requirements for micro-organisms risks

*Gants de protection contre les produits chimiques dangereux et les micro-organismes —**Partie 5: Terminologie et exigences de performance pour les risques contre les micro-organismes*

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ICS: 01.040.13; 13.340.40 (standards.iteh.ai)[oSIST prEN ISO 374-5:2022](https://standards.iteh.ai/catalog/standards/sist/08719db1-7f07-42c4-a1f4-cdc9848f078c/osist-pren-iso-374-5-2022)<https://standards.iteh.ai/catalog/standards/sist/08719db1-7f07-42c4-a1f4-cdc9848f078c/osist-pren-iso-374-5-2022>

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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.

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

ISO 374-5 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO 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 374 consists of the following parts, under the general title *Protective gloves against dangerous chemicals and micro-organisms*:

- *Part 1: Terminology and performance requirements for chemical risks*
- *Part 2: Determination of resistance to penetration*
- *Part 4: Determination of resistance to degradation by chemicals*
- *Part 5: Terminology and performance requirements for micro-organism risks*
- *Part 6: Protective gloves for hairdressers*

This document will supersede EN ISO 374-5:2016.

In comparison with the previous edition, the following major changes have been made:

- Reference to new standard, EN ISO 21420:2020+A1:2022;
- new marking possible see [clause 6](#).
- new [clause 5.2](#) dexterity;
- new [table 1](#);
- [clause 7](#) : clarification for single use gloves
- New [Annex ZA](#) with reference to Regulation (EU) 2016/425.

This document has been prepared under the standardization request M/571 given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Regulation (EU) 2016/425.

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Protective gloves against dangerous chemicals and micro-organisms —

Part 5: Terminology and performance requirements for micro-organisms risks

1 Scope

This part of ISO 374 specifies the requirements and test methods for protective gloves intended to protect the user against micro-organisms.

NOTE If other protection features is to be needed, e.g. chemical risks, mechanical risks, thermal risks, electrostatic dissipation etc., the appropriate specific performance standard is to be used in addition. Further information on protective gloves standards can be found in the ISO 21420:2020+A1:2022

2 Normative references

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

ISO 374-2:2019, *Protective gloves against dangerous chemicals and micro-organisms — Part 2: Determination of resistance to penetration*

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

ISO 16604:2004, *Clothing for protection against contact with blood and body fluids — Determination of resistance of protective clothing materials to penetration by blood-borne pathogens — Test method using Phi-X 174 bacteriophage*

ISO 21420:2020+A1:2022, *Protective gloves — General requirements and test methods*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

protective gloves against micro-organisms

protective gloves which form a protective barrier to microbiological agents

Note 1 to entry: Microbiological agents are bacteria or virus or fungi.

3.2

bacteria

very large group of micro-organisms comprising one of the three domains of living organisms, they are prokaryotic, unicellular, and either free-living in soil or water or parasites of plants or animals

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3.3

virus

any of various simple sub-microscopic parasites of plants, animals, and bacteria that often cause disease and that consist essentially of a core of RNA or DNA surrounded by a protein coat

Note 1 to entry: Unable to replicate without a host cell, viruses are typically not considered living organisms.

3.4

fungi

any of numerous eukaryotic organisms of the kingdom Fungi, which lack chlorophyll and vascular tissue and range in form from a single cell to a body mass of branched filamentous hyphae that often produce specialized fruiting bodies

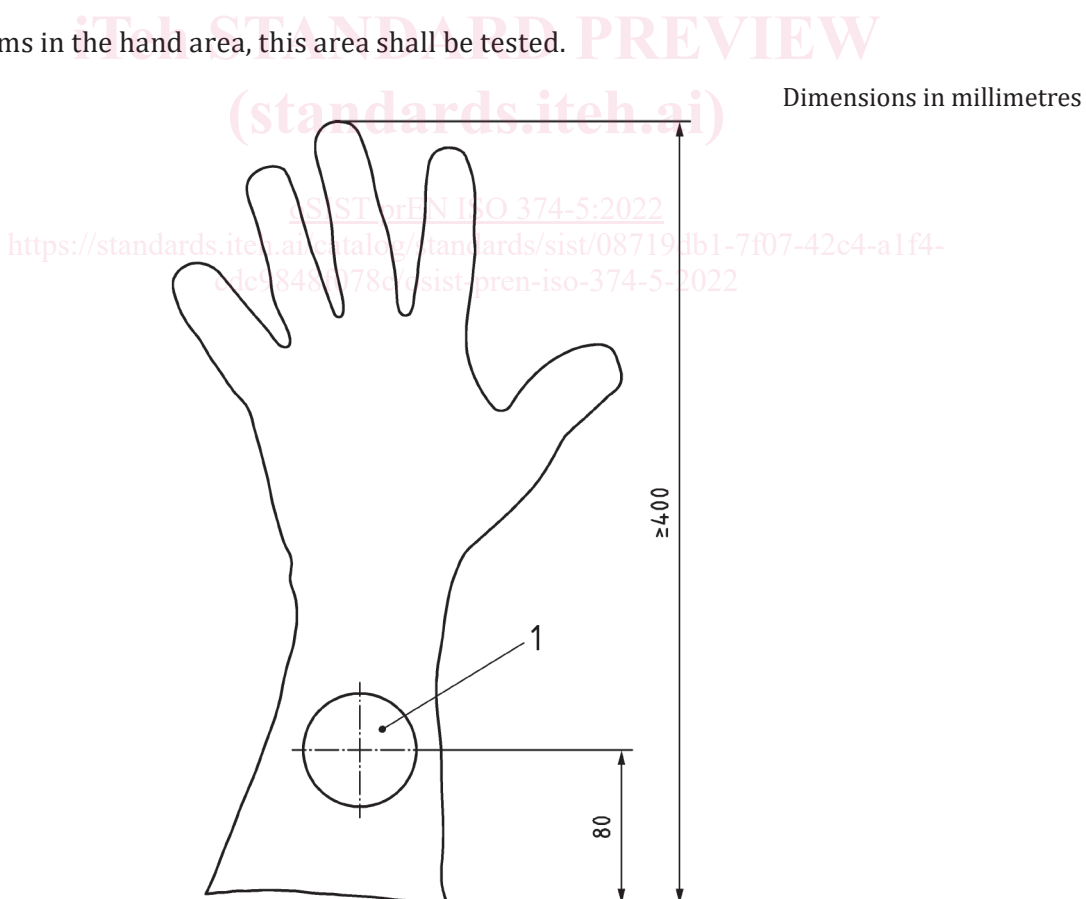
Note 1 to entry: The kingdom includes the yeasts, moulds and smuts.

4 Sampling

4.1 Sampling for viral penetration testing

The test specimen shall be taken from the palm area. If the glove is longer than or equal to 400 mm and if the cuff is claimed to protect against micro-organism risks, additional test specimens shall be taken where the centre is 80 mm from the end of the cuff (see [Figure 1](#)). For further instructions, see ISO 16604:2004, Clause 7.

In the case of seams in the hand area, this area shall be tested.

**Key**

1 sample

Figure 1 — Additional sample location for gloves longer than 400 mm