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MÄÄRAMINE SISSEIMBUMISELE

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 374-2:2019 sisaldab Euroopa standardi EN ISO 374-2:2019 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 374-2:2019 consists of the English text of the European standard EN ISO 374-2:2019.
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English Version

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

Gants de protection contre les produits chimiques dangereux et les micro-organismes - Partie 2: Détermination de la résistance à la pénétration (ISO 374-2:2019)

Schutzhandschuhe gegen gefährliche Chemikalien und Mikroorganismen - Teil 2: Bestimmung des Widerstandes gegen Penetration (ISO 374-2:2019)

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 374-2:2019) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 374-2:2019 has been approved by CEN as EN ISO 374-2:2019 without any modification.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test principles	1
4.1 Air leak test.....	1
4.2 Water leak test.....	1
4.3 Remarks.....	1
5 Sampling	2
6 Apparatus	2
6.1 Air leak test.....	2
6.2 Water leak test.....	3
7 Procedure	5
7.1 General.....	5
7.2 Air leak test.....	5
7.3 Water leak test.....	6
8 Test report	6
Annex A (informative) Informative annex to be used for quality assurance during production	8
Bibliography	9

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).

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For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*.

This document has been transferred from EN 374-2 without technical changes.

A list of all parts in the ISO 374 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Protective gloves against dangerous chemicals and micro-organisms —

Part 2: Determination of resistance to penetration

1 Scope

This document specifies a test method for the penetration resistance of gloves that protect against dangerous chemicals and/or micro-organisms.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 374-1, *Protective gloves against dangerous chemicals and micro-organisms — Part 1: Terminology and performance requirements for chemical risks*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 374-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Test principles

4.1 Air leak test

A glove is immersed in water, and its interior is pressurised with air. A leak is detected by a stream of air bubbles from the surface of the glove.

4.2 Water leak test

A glove is filled with water. A leak is detected by the appearance of water droplets on the outside of the glove.

4.3 Remarks

The air leak procedure is not suitable for all gloves. For example, parts of some gloves can be overinflated while other parts of the same gloves can only be partially inflated. If the air leak test proves unsuitable, then only the water penetration test is carried out.

For both methods disregard leaks within the area of 40 mm from the edge of the liquid proof area.