Irish Standard
I.S. EN 13274-4:2020

Respiratory protective devices - Methods of test - Part 4: Flame test

I.S. EN 13274-4:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 13274-4:2020 is the adopted Irish version of the European Document EN 13274-4:2020, Respiratory protective devices - Methods of test - Part 4: Flame test

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13274-4

October 2020

ICS 13.220.40; 13.340.30

Supersedes EN 13274-4:2001

English Version

Respiratory protective devices - Methods of test - Part 4: Flame test

Appareils de protection respiratoire - Méthodes d'essai - Partie 4 : Essais à la flamme

Atemschutzgeräte - Prüfverfahren - Teil 4: Flammenprüfungen

This European Standard was approved by CEN on 8 June 2020.

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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-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 13274-4:2020) has been prepared by Technical Committee CEN/TC 79 “Respiratory protective devices”, 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of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.

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.

This document supersedes EN 13274-4:2001.

The following main technical changes have been made compared to EN 13274-4:2001:

a) Clause 5 amended regarding the estimation of uncertainty;

b) test rig more specified;

c) procedure added to test the visor at an angle of 45 degrees.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom

Introduction

This document is intended as a supplement to the specific device standards for respiratory protective devices. Test methods are specified for complete or parts of devices. If deviations from the test method given in this document are necessary, these deviations will be specified in the relevant device standard.

1 Scope

This document specifies methods for flame tests to be applied to respiratory protective devices.

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.

EN ISO 16972, *Respiratory protective devices - Vocabulary and graphical symbols (ISO 16972)*

EN ISO 6941, *Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (ISO 6941)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 16972 apply.

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

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

4 Pre-requisites

In order to implement this document, at least the following parameters need to be specified in the relevant device standard:

— RPD and/or components to be tested;

— test method, 1, 2, or 3;

— number of test samples;

— climatic conditioning;

— any deviations from the test procedure chosen;

— pass/fail criteria.

5 Nominal values and tolerances

Unless otherwise specified, the values stated in this document are expressed as nominal values. Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of ± 5 %. Unless otherwise specified, the ambient conditions for testing shall be between 16°C and 32°C and (50 ± 30) % relative humidity. Any temperature limits specified shall be subject to an accuracy of ± 1 °C.

For each of the required measurements performed in accordance with this document, a corresponding estimate of the uncertainty of measurement shall have been evaluated [1]. This estimate of uncertainty shall be applied and stated when reporting test results, in order to enable the user of the test report to assess the reliability of the result.