

Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and

Vêtements de protection contre les produits chimiques - Méthodes d'essai et classification de performance des matériaux, coutures, jonctions et

Schutzkleidung gegen Chemikalien - Prüfverfahren und Leistungseinstufung für Materialien, Nähte, Verbindungen und Verbünde

National Foreword

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English version

Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages

Vêtements de protection contre les produits chimiques -
Méthodes d'essai et classification de performance des
matériaux, coutures, jonctions et assemblages des
vêtements de protection chimique

Schutzkleidung gegen Chemikalien - Prüfverfahren und
Leistungseinstufung für Materialien, Nähte, Verbindungen
und Verbünde

This European Standard was approved by CEN on 10 December 2003.

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Contents

	page
Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Performance classification of materials	5
4.1 General	5
4.2 Pre-conditioning	5
4.3 Conditioning	5
4.4 Abrasion resistance	5
4.5 Flex cracking resistance	7
4.6 Flex cracking resistance at -30 °C	7
4.7 Trapezoidal tear resistance	8
4.8 Bursting resistance	8
4.9 Tensile strength	9
4.10 Puncture resistance	9
4.11 Resistance to permeation by chemicals	9
4.12 Repellency to liquids	10
4.13 Resistance to penetration by liquids	10
4.14 Resistance to ignition	10
4.15 Resistance to flame	11
5 Performance requirements for seams, joins and assemblages	11
5.1 General	11
5.2 Pre-conditioning	11
5.3 Conditioning	11
5.4 Resistance to liquids	12
5.5 Seam strength	12
6 Test report	12
Annex A (normative) Glass paper and glass cloth	13
A.1 Quality of materials	13
A.2 Form and dimensions	13
A.3 Abrasive grain	13
A.4 Breaking strength	13
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives	15
Bibliography	16

Foreword

This document (EN 14325:2004) has been prepared by 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 August 2004, and conflicting national standards shall be withdrawn at the latest by August 2004.

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(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

Annex A is normative.

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

1 Scope

This European Standard specifies the performance classification and test methods for chemical protective clothing material and seams, joins and assemblages. This is a reference standard to which other chemical protective clothing performance standards may refer in whole or in part.

NOTE Whilst these performance levels are intended to relate to the usage to which the chemical protective clothing is to be put, it is essential that the user (specifier) and the chemical protective clothing manufacturer or supplier liaise to establish the correct performance level for the intended task. For this purpose a risk analysis could be useful.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 368, *Protective clothing — Protection against liquid chemicals — Test method: Resistance of materials to penetration by liquids*.

EN 374-3, *Protective gloves against chemicals and micro-organisms — Part 3: Determination of resistance to permeation by chemicals*.

EN 530, *Abrasion resistance of protective clothing material — Test methods*.

EN 863, *Protective clothing — Mechanical Properties — Test Method: Puncture resistance*.

EN 13274-4, *Respiratory protective devices — Methods of test — Part 4: Flame tests*.

EN 20139, *Textiles — Standard atmospheres for conditioning and testing (ISO 139:1973)*.

EN ISO 6529 *Protective clothing — Protection against chemicals — Determination of resistance of protective clothing materials to permeation by liquids and gases (ISO 6529:2001)*.

EN ISO 7854, *Rubber- or plastics-coated fabrics — Determination of resistance to damage by flexing (ISO 7854:1995)*.

EN ISO 9073-4, *Textiles — Test methods for nonwovens — Part 4: Determination of tear resistance (ISO 9073-4:1997)*.

CEN ISO/TR 11610, *Protective clothing — Glossary of terms and definitions (ISO/TR 11610:2004)*.

EN ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method (ISO 13934-1:1999)*.

EN ISO 13935-2, *Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 2: Determination of maximum force to seam rupture using the grab method (ISO 13935-2:1999)*.

EN ISO 13938-1, *Textiles — Bursting properties of fabrics — Part 1: Hydraulic method for determination of bursting strength and bursting distension (ISO 13938-1:1999)*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions in CEN ISO/TR 11610 apply.