



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 443:2008

Helmets for fire fighting in buildings and other structures

Casques pour la lutte contre les incendies
dans les bâtiments et autres structures

Feuerwehrhelme für die
Brandbekämpfung in Gebäuden und
anderen baulichen Anlagen

02/2008



National Foreword

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English Version

Helmets for fire fighting in buildings and other structures

Casques pour la lutte contre les incendies dans les
bâtiments et autres structures

Feuerwehrhelme für die Brandbekämpfung in Gebäuden
und anderen baulichen Anlagen

This European Standard was approved by CEN on 28 December 2007.

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Contents

Page

Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Requirements	9
4.1 General	9
4.1.1 Surface finish	9
4.1.2 Innocuousness of materials	9
4.1.3 Visual defects	9
4.1.4 Additional devices and accessories	9
4.1.5 Face protectors	10
4.1.6 Neck guards	10
4.1.7 Protection of area 3b	10
4.1.8 Wearing the helmet	10
4.2 Shock absorption	10
4.2.1 Area 1a	10
4.2.2 Areas 1a and 1b	10
4.3 Resistance to penetration	10
4.4 Lateral crushing	10
4.5 Retention system effectiveness	10
4.6 Retention system strength	11
4.7 Radiant heat	11
4.7.1 Areas 1a and 1b	11
4.7.2 Areas 3a and 3b	11
4.8 Protection against hot solids	11
4.9 Protection against molten metals	11
4.9.1 Areas 1a and 1b	11
4.9.2 Areas 3a and 3b	11
4.10 Heat resistance	12
4.10.1 Area 1a, area 1b and area 2	12
4.10.2 Area 3a	12
4.11 Flame resistance	12
4.12 Electrical properties	12
4.12.1 Conductive headform	12
4.12.2 Wet helmet insulation	12
4.12.3 Surface insulation	12
4.13 Contact with liquid chemicals (optional)	13
4.13.1 Areas 1a, 1b	13
4.13.2 Areas 3a, 3b	13
4.14 Field of vision	13
4.15 Extent of protection	13
4.15.1 Area 1a and area 1b	13
4.15.2 Area 3b (optional)	14
5 Test procedures	14
5.1 Sampling and helmet adjustment	14
5.1.1 Sampling	14
5.1.2 Helmet adjustment	14
5.2 Visual inspection	14
5.3 Conditioning	14
5.3.1 General	14
2	

5.3.2	Ultra-violet (UV) ageing	15
5.3.3	Thermal shock.....	15
5.3.4	Solvent conditioning.....	15
5.3.5	"Thermal plus" conditioning.....	15
5.3.6	"Thermal minus" conditioning	15
5.3.7	Wet conditioning.....	15
5.4	Shock absorption.....	16
5.4.1	Area 1a	16
5.4.2	Areas 1a and 1b.....	16
5.5	Resistance to penetration	17
5.6	Lateral crushing	17
5.6.1	Principle	17
5.6.2	Procedure	17
5.7	Retention system effectiveness	17
5.8	Retention system strength.....	18
5.9	Radiant heat.....	18
5.9.1	Areas 1a and 1b.....	18
5.9.2	Areas 3a and 3b.....	18
5.10	Protection against hot solids.....	18
5.11	Protection against molten metals	18
5.11.1	Area 1a and 1b.....	18
5.11.2	Area 3a and area 3b	19
5.12	Heat resistance.....	19
5.12.1	Areas 1a and 1b.....	19
5.12.2	Area 3a	19
5.13	Flame resistance.....	19
5.14	Electrical properties.....	19
5.14.1	Conductive headform test.....	19
5.14.2	Wet helmet insulation test	19
5.14.3	Surface insulation test	20
5.15	Contact with liquid chemicals (optional).....	20
5.15.1	Areas 1a and 1b.....	20
5.15.2	Areas 3a and 3b.....	20
5.16	Field of vision	20
5.17	Extent of protection, area 1a and 1b.....	20
5.17.1	Equipment.....	20
5.17.2	Samples	20
5.17.3	Test method.....	20
6	Marking	20
7	Information to be supplied by the manufacturer	21
Annex A (informative)	List of hazards	29
Annex B (normative)	Conditioning – Testing schedule	32
Annex C (informative)	Checking compatibility of PPE	34
Annex D (informative)	Test results, uncertainty of measurement.....	36
D.1	Uncertainty of measurement	36
D.2	Interpretation of results.....	36
D.3	Calculation of uncertainty of measurement.....	37
Annex ZA (informative)	Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC	38
Bibliography		40

Foreword

This document (EN 443:2008) has been prepared by Technical Committee CEN/TC 158 “Head protection”, the secretariat of which is held by BSI.

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 2008, and conflicting national standards shall be withdrawn at the latest by August 2008.

This document supersedes EN 443:1997.

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.

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

Introduction

Minimum requirements for helmets protecting the lower face and the neck are included in this European Standard. Requirements for other products protecting the lower face and neck are also covered in other European Standards. This European Standard allows options to take account of particular additional requirements.

This European Standard deals with two types of helmets: type A and type B. Selection of the type of helmet and any optional equipment should be made following a comprehensive risk assessment.

Annex A gives an informative list of hazards.

Firefighters should be trained in the use, care and maintenance of helmets covered by this European Standard, including an understanding of any limitations.

1 Scope

This European Standard specifies minimum requirements for firefighters' helmets protecting the upper head mainly against the effects of impact, penetration and heat and flame, whilst firefighting in buildings and other structures.

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.

EN 136:1998, *Respiratory protective devices — Full face masks — Requirements, testing, marking*

EN 137:2006, *Respiratory protective devices — Self-contained open circuit compressed air breathing apparatus with full face mask — Requirements, testing, marking*

EN 166:2001, *Personal eye-protection — Specifications*

EN 168:2001, *Personal eye-protection — Non-optical test methods*

EN 469:2005, *Protective clothing for firefighters — Performance requirements for protective clothing for firefighting*

EN 531:1995, *Protective clothing for industrial workers exposed to heat (excluding firefighters' and welders' clothing)*

EN 960:2006, *Headforms for use in the testing of protective helmets*

EN 13087-1:2000, *Protective helmets — Test methods — Part 1: Conditions and conditioning*

EN 13087-2:2000, *Protective helmets — Test methods — Part 2: Shock absorption*

EN 13087-3, *Protective helmets — Test methods — Part 3: Resistance to penetration*

EN 13087-4, *Protective helmets — Test methods — Part 4: Retention system effectiveness*

EN 13087-5:2000, *Protective helmets — Test methods — Part 5: Retention system strength*

EN 13087-6, *Protective helmets — Test methods — Part 6: Field of vision*

EN 13087-8:2000, *Protective helmets — Test methods — Part 8: Electrical properties*

EN 13087-10, *Protective helmets — Test methods — Part 10: Resistance to radiant heat*

EN 13911, *Protective clothing for firefighters — Requirements and test methods for fire hoods for firefighters*

EN 14458:2004, *Personal eye-equipment — Face shields and visors for use with firefighters' and high performance industrial safety helmets used by firefighters, ambulance and emergency services*

EN ISO 9185:2007, *Protective clothing — Assessment of resistance of materials to molten metal splash (ISO 9185:2007)*

ISO 1817:2005, *Rubber, vulcanized — Determination of the effect of liquids*