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Guide to selection, use and maintenance of occupational eye and face protectors

S.R. CR 13464:1999

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CEN REPORT

CR 13464

RAPPORT CEN

CEN BERICHT

February 1999

English version

Guide to selection, use and maintenance of occupational eye and face protectors

Guide de sélection, d'utilisation et d'entretien des
protecteurs de l'oeil et du visage à usage professionnel

Leitfaden für Auswahl, Gebrauch und Wartung von
beruflichen Augenschutzgeräten

This CEN Report was approved by CEN on 2 December 1998. It has been drawn up by the Technical Committee CEN/TC 85.

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Contents

Foreword	3
1 Scope.....	4
2 References.....	4
3 Hazards to the eye encountered in occupational environments	6
3.1 Introduction	6
3.2 Mechanical hazards.....	7
3.3 Chemical hazards	8
3.4 Radiation hazards.....	9
3.5 Summary of hazards and sources.....	10
4 Classification of occupational eye-protectors.....	11
4.1 General classification systems	11
4.2 Detailed performance classification of occupational eye-protectors	15
4.3 Marking of occupational eye-protectors.....	18
5 Selection of occupational eye-protectors	23
5.1 Introduction	23
5.2 Analysis of selection procedure	23
6 Care and maintenance of occupational eye-protectors.....	30
6.1 Preamble.....	30
6.2 Use and handling.....	31
6.3 Inspection.....	31
6.4 Cleaning.....	31
6.5 Repair and replacement of parts	32
6.6 Storage	32
7 Occupational eye-care programmes.....	32
7.1 Preamble.....	32
7.2 Programme	32

Foreword

This CEN Report has been prepared by the Convenor of Working Group 10 of the Technical Committee CEN/TC 85 "Eye-protective equipment" the secretariat of which is held by AFNOR.

The first draft document, CEN/TC 85 WG10/N8 was discussed at a meeting of WG10 on 20 September 1995. The comments and proposals emanating from this meeting were used to prepare a second draft document which was further discussed at a meeting of WG10 on 18 September 1996. Following this meeting, the agreed changes were incorporated into a third draft document, CEN/TC 85 WG10/N17. This final draft has been prepared following receipt of comments on the third draft, as detailed in document CEN/TC 85 WG10/N18.

In preparing this Technical Report the following documents have been referenced :

- British Standard BS7028 :1988 - Guide to the Selection, Use and Maintenance of Industrial Eye-Protectors ;
- Fourth Draft Standards /Australia/Standard New Zealand : May 1994 - Recommended Practices for Occupational Eye-Protection.

1 Scope

This technical report is intended for information and guidance only. It relates to all types of personal eye and face protectors used against various hazards as encountered in industry, commerce, laboratories, educational establishments, etc. which may damage the eye or impair vision with the exception of ionising radiation such as X-rays and low temperature infra-red (IR) radiation. This report does not include specific guidance on the use of sport, leisure or vehicular eye- and face-protectors, but gives useful information also for other than occupational activities where a risk for eye and/or face exists.

The purpose of this report is (a) to detail and explain the relevant European standards relating to occupational eye and face protectors, (b) to provide a basic understanding of the classification of hazards to the eye encountered in industrial and other occupational situations, (c) to explain and classify the various types of eye and face protectors and to list their various characteristics and protection capabilities, and (d) to give guidance on the selection, care and maintenance of occupational eye and face protectors.

This report must not be used as a whole or partial substitute for a professional risk assessment which is an essential element of any safety eyewear selection exercise.

2 References

The following documents relating to occupational eye-protectors are included within the scope of this report and referenced by it.

EN 165, *Personal eye-protection - Vocabulary.*

EN 166, *Personal eye-protection - Specifications.*

EN 167, *Personal eye-protection - Optical test methods.*

EN 168, *Personal eye-protection - Non-optical test methods.*

EN 169, *Personal eye-protection - Filters for welding and related techniques - Transmittance requirements and recommended utilisation.*

EN 170, *Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use.*

EN 171, *Personal eye-protection - Infra-red filters -Transmittance requirements and recommended Use.*

EN 172, *Personal eye-protection - Sunglare filters for industrial use.*

EN 175, *Personal protection - Equipment for eye and face protection during welding and allied processes (excluding hoods).*

EN 207, *Personal eye-protection - Filters and eye-protection against laser radiation.*

EN 208, *Personal eye-protection - Eye-protectors for adjustment work on lasers and laser systems.*

EN 379, *Specification for welding filters with switchable luminous transmittance and welding filters with dual luminous transmittance.*

EN 1731, *Mesh type eye and face protectors for industrial and non-industrial use against mechanical hazards and/or heat.*

EN 60825, *Security of laser products.*

ISO/DIS 8980-1, *Ophthalmic optics – Uncut finished spectacle lenses – Part 1 : Specifications for single vision and multifocal lenses.*

ISO/DIS 8980-2, *Ophthalmic optics – Uncut finished spectacle lenses – Part 2 : Specifications for progressive power lenses.*

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