Australian Standard™

Fire resistant and antistatic requirements for conveyor belting used in underground coal mines

This Australian Standard was prepared by Committee RU/2, Conveyor and Elevator Belting. It was approved on behalf of the Council of Standards Australia on 29 October 1999 and published on 10 January 2000.

The following interests are represented on Committee RU/2:

Australasian Institute of Mining and Metallurgy

Australasian Plastics and Rubber Institute

Australian Chamber of Commerce and Industry

Australian Coal Association

Australian Industry Group

Bureau of Steel Manufacturers of Australia

Department of Mineral Resources, N.S.W.

Electricity Supply Association of Australia

Institution of Engineers, Australia

Ministry of Commerce, New Zealand

WorkCover New South Wales

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee RU/2, Conveyor and Elevator Belting, in response to a request from the Department of Mineral Resources, N.S.W. for a minimum Standard for fire resistant and antistatic (FRAS) conveyor belting used in underground coal mines.

This Standard is the result of a consensus among the representatives on the Joint Committee to produce it as an Australian Standard.

Mandatory statements in notes to figures are deemed to be requirements of this Standard.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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Fire resistant and antistatic requirements for conveyor belting used in underground coal mines

1 SCOPE This Standard sets out minimum safety requirements for fire resistant and antistatic (FRAS) conveyor belting for use in underground coal mines.

NOTES:

1 For other conveyor belting properties, reference should be made to AS 1332 and AS 1333.

2 Alternative methods for determining compliance with this Standard are given in Appendix A.

2 APPLICATION This Standard may be used for obtaining certification of compliance to fire resistant and antistatic requirements, as may be required by regulatory authorities.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS	
1199	Sampling procedures and tables for inspection by attributes
1332	Conveyor belting—Textile reinforced
1333	Conveyor belting of elastomeric and steel cord construction
1334	Methods of testing conveyor and elevator belting
1334.9	Method 9: Determination of electrical resistance of conveyor belting
1334.10	Method 10: Determination of ignitability and flame propagation characteristics of conveyor belting
1334.11	Method 11: Determination of ignitability and maximum surface temperature of belting subjected to friction
1334.12	Method 12: Determination of combustion propagation characteristics of conveyor belting
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
AS/NZS	
ISO 9000	Quality management and quality assurance standards
ISO 9000.1	Part 1: Guidelines for selection and use
ISO 9004	Quality management and quality system elements
ISO 9004.1	Part 1: Guidelines
HB 18	Guidelines for third-party certification and accreditation
HB 18.28	Guide 28: General rules for a model third-party certification scheme for products
ISO	
4589	Plastics—Determination of burning behaviour by oxygen index
4589-2	Part 2: Ambient-temperature test