

Australian/New Zealand Standard™

**Zinc and zinc/aluminium-alloy coatings
on steel wire**



AS/NZS 4534:2006

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MT-009, Metal Finishing. It was approved on behalf of the Council of Standards Australia on 8 June 2006 and on behalf of the Council of Standards New Zealand on 16 June 2006.

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The following are represented on Committee MT-009:

Australian Institute of Metal Finishing
Australian Aluminium Council
Australian Industry Group
Australian Paint Manufacturers' Federation
Department of Defence
Galvanizers Association of Australia
Institution of Materials Engineering Australia
Powder Coaters Association
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This Standard was issued in draft form for comment as DR 06060.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 4534:2006

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MT-009, Metal Finishing, to supersede AS/NZS 4534:1998, *Zinc and zinc/aluminium-alloy coatings on steel wire*.

The objective of this Standard is to specify requirements for zinc/aluminium-alloy coatings on steel wire and on fabricated wire products. The coatings are formed by the application of molten metal by hot dipping using a specialized continuous process, or by electroplating. However, in this revision of the Standard, a further range of coatings, specifically of high coating mass, has been added. The purpose of these new coatings, which first appeared in AS 2423—2002, *Coated steel wire fencing products for terrestrial, aquatic and general use*, is to provide superior protection to steel wire subjected to the more aggressive forms of corrosive environment, such as immersion in seawater.

This edition contains improved guidelines, set out in an Appendix, for the selection of appropriate coatings for the corrosion protection of steel wire.

During the preparation of this Standard cognisance was taken of ISO 7989:1988, *Zinc coatings for steel wire*. However, this international Standard could not be endorsed as an Australian Standard, as it is deficient in technical detail and is considered unsuitable by Australian industry.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, where an ‘informative’ appendix is only for information and guidance.

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