

Australian/New Zealand Standard[®]

Safety mesh

AS/NZS 4389:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL/22, Safety Mesh. It was approved on behalf of the Council of Standards Australia on 22 March 1996 and on behalf of the Council of Standards New Zealand on 12 April 1996. It was published on 5 July 1996.

The following interests are represented on Committee PL/22:

Australian Building Codes Board
Australian Institute of Building Surveyors
Building Research Association of New Zealand
CSIRO, Division of Building, Construction and Engineering
Composites Institute of Australia
Housing Industry Association, Australia
Plastics Institute of New Zealand
Plastics and Chemicals Industry Association Incorporated, Australia
University of Adelaide
WorkCover Authority of N.S.W.

Additional interests participating in preparation of Standard:

Safety mesh manufacturers
Roofing contractors
Testing authorities
Research and development associations
Master Builders Australia

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 4389:1996

Australian/New Zealand Standard[®]

Safety mesh

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0513 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee PL/22 on Safety Mesh, to supersede, in part, AS 1639—1990 and AS 2424—1991. It is issued as a Joint Standard.

The Standard includes performance requirements and commonly used materials deemed to be satisfactory. The Committee examined the range of safety mesh materials in common use. Since these materials have proved to be quite satisfactory for a long period of time, it seemed unreasonable that they should have to demonstrate full compliance with a set of performance requirements aimed primarily at new products.

The objective of this Standard is to provide manufacturers and users of safety mesh with specifications covering the manufacture and performance of safety mesh for use in building applications.

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, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
1 SCOPE	3
2 APPLICATION	3
3 NEW DESIGNS, INNOVATIONS AND MATERIALS	3
4 REFERENCED DOCUMENTS	3
5 GENERAL REQUIREMENTS	4
6 PERFORMANCE REQUIREMENTS	4
7 MATERIALS DEEMED TO BE SATISFACTORY	4
8 DURABILITY	7
 APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	10
B SAFETY MESH—LOAD TEST	12

Originated as part of AS CA44—1969.
Previous edition part of AS 1639—1990 and AS 2424—1991.
AS 1639—1990 and AS 2424—1991 revised, amalgamated
and redesignated in part as AS/NZS 4389:1996.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

Safety mesh

1 SCOPE This Standard specifies the minimum requirements for the design, construction, testing and installation of safety mesh for use in domestic, commercial and industrial building applications.

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

2 APPLICATION This Standard applies to mesh that is used in 'life safety' applications.

3 NEW DESIGNS, INNOVATIONS AND MATERIALS Any alternative materials, designs, methods of assembly, procedures, or the like, that do not comply with specific requirements of this Standard, but that give equivalent results to those specified are not necessarily precluded, however equivalent performance may need to be demonstrated. This Standard shall not be interpreted as preventing the use of materials that meet the performance requirements set out in the Standard, but are not specifically referred to herein.

4 REFERENCED DOCUMENTS

AS

- | | |
|--------|--|
| 1170 | Minimum design loads on structures (known as the SAA Loading Code) |
| 1170.1 | Part 1: Dead and live loads and load combinations |
| 1199* | Sampling procedures and tables for inspection by attributes |
| 1399* | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |
| 1650* | Hot-dipped galvanized coatings on ferrous articles |

AS/NZS

- | | |
|------|--|
| 2312 | Guide to the protection of iron and steel against exterior atmospheric corrosion |
|------|--|

- | | |
|----------|--|
| 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 |
|------------|--------------------|

SAA/SANZ

- | | |
|------|--|
| HB18 | Guidelines for third-party certification and accreditation |
|------|--|

- | | |
|---------|--|
| HB18.28 | Guide 28—General rules for a model third-party certification scheme for products |
|---------|--|

* These Standards have been approved by the New Zealand Standards Council for use in New Zealand.



SAI GLOBAL

This is a free 5 page sample. Access the full version online.

The remainder of this document
is available for purchase online at

www.saiglobal.com/shop

SAI Global also carries a wide range of publications from a wide variety of Standards Publishers:



Click on the logos to search the database online.