

Australian/New Zealand Standard™

**Roof safety mesh**



## **AS/NZS 4389:2015**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-092, Housing Construction—Working Practices. It was approved on behalf of the Council of Standards Australia on 15 June 2015 and on behalf of the Council of Standards New Zealand on 11 June 2015. This Standard was published on 30 June 2015.

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The following are represented on Committee BD-092:

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Australian Council of Trade Unions  
Australian Industry Group  
Australian Institute of Building Surveyors  
Housing Industry Association  
Master Builders Australia  
Master Plumbers Australia  
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## Roof safety mesh

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-092, Housing Construction—Working Practices, to supersede AS/NZS 4389:1996, *Safety mesh*.

The objective of this Standard is to provide manufacturers and users of roof safety mesh with specifications covering the manufacture and performance of roof 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.

*This Standard incorporates a Commentary on some Clauses. The Commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a panel. The Commentary is intended to help readers understand the background to the clause but does not form part of the clause.*

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**1 SCOPE**

This Standard specifies minimum requirements for the design, construction, testing and installation of roof safety mesh as a primary means for fall protection when working at heights in domestic, commercial and industrial building applications that use metal or timber purlins, or a tested supporting member.

NOTE: Means for demonstrating compliance with this Standard are given in Appendix B.

**2 NORMATIVE REFERENCE**

The following is the normative document referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS/NZS

4534 Zinc and zinc/aluminium-alloy coatings on steel wire

**3 DEFINITIONS**

For the purpose of this Standard, the definitions below apply.

**3.1 Fastener**

A ring fastener (or 'hog ring') used for joining side laps of roof safety mesh.

**3.2 Fixing**

Connections between the roof safety mesh and the roof member.

**3.3 Joints**

Connections between rolls or sections of roof safety mesh.

**3.4 Lapping**

Where the sides of roof safety mesh are overlaid to prevent a gap forming between the two.

**3.5 Longitudinal wires**

Wires of roof safety mesh that span between purlins and are welded to transverse wires; *also* known as line wires.

**3.6 Mesh sag**

A measurement of downward deflection of roof safety mesh between two roof members.

**3.7 Purlin**

Beam, parallel to the eaves, that is supported by rafters and gives support to roof cladding.

**3.8 Roof member**

A supporting member to which the roof safety mesh is attached, and which has the structural capacity to ensure the performance requirements of Clause 8 and Appendix A can be met.

NOTE: Typically purlins or rafters, but may include bridge bars or other members.