
MP 5.9 – BUILDINGS AND STRUCTURES IN CYCLONIC AREAS

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Purpose

To ensure that metal roof cladding, its connections and immediate supporting members of all buildings located in cyclonic areas designated as region C under AS/NZS 1170.2 or AS1170.2 are designed to resist wind loads they may be exposed to.

Commencement

This version of Mandatory Part MP 5.9 commences on 1 May 2008

Expiry Date

This code will expire on 1 May 2009

Application

MP 5.9 applies to all classes of building (Class 1 to 10) and Class 10 structures, as defined in Part A3 of the Building Code of Australia.

Referral Agency

There is no referral agency for this code.

Where the acceptable solutions of this standard are not adopted the assessment manager may assess the building for compliance with the performance criteria of this standard under Part 3 of the *Building Act 1975*.

Associated Requirements

- *Building Act 1975*
- *Building Regulation 2006*

Referenced Documents

- AS/NZS 1170.2 – 2002 – Wind Actions (including Amdt 1, March 2005)
- AS1170.2 – 1989 – Wind Loads (including Amdt 1, Jan 1989, Amdt 2 Jan 1993, Amdt 3, Dec 1993)
- BCA 2007 – Class 2 to 9 buildings Volume 1
- BCA 2007 – Class 1 and 10 buildings - Housing Provisions Volume 2

Wind loads on metal roofs

Class 1 buildings and class 10 buildings and structures

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| P1 | In class 1 buildings and class 10 buildings or structures located in a cyclonic area designated as region C under AS/NZS 1170.2 or AS1170.2, metal roof assemblies, associated connections and immediate supporting members comply with performance requirement P2.1 of the BCA 2007 Volume 2. | A1 | In class 1 buildings and class 10 buildings or structures located in a cyclonic area designated as region C under AS/NZS 1170.2 or AS1170.2, -
(i) metal roof assemblies; and
(ii) metal roof assembly connections; and
(iii) immediate supporting members;

comply with Part 3.10.1 – high wind areas of the BCA 2007 Volume 2. |
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Class 2 to 9 buildings

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| P2 | In class 2 to 9 buildings located in a cyclonic area designated as region C under AS/NZS 1170.2 or AS1170.2, metal roof assemblies, associated connections and immediate supporting members comply with performance requirements BP1.1 and BP1.2, Part B1 Structural Provisions of the BCA 2007 Volume 1. | A2 | In class 2 to 9 buildings located in a cyclonic area designated as region C under AS/NZS 1170.2 or AS1170.2, -
(i) metal roof assemblies; and
(ii) metal roof assembly connections; and
(iii) immediate supporting members;

comply with Part B1 Structural Provisions of the BCA 2007 Volume 1. |
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