

Part 7.2 Sheet roofing

7.2.1 Application of Part 7.2

[New for 2022]

- (1) [Part 7.2](#) applies subject to the limitations set out in H1D7(2)(c).
- (2) [Part 7.2](#) need not be complied with if H1D7(2)(a) or (b) are complied with.

Explanatory Information: Design wind speeds

Information on [design wind speeds](#) for particular areas may be available from the [appropriate authority](#). Also see the table associated with the definition of '[design wind speed](#)' for wind classes. A map indicating wind regions of Australia is contained in [Part 2.2](#).

Explanatory Information: Other relevant sheet roof requirements

In addition to the requirements of this Part, requirements for sheet roofing also exist in NCC Volume Two and other Parts of the ABCB Housing Provisions. They include the following:

- (a) For the sizing and fixing of roof battens - NCC Volume Two H1D6(3) (steel battens) and H1D6(4) (timber battens)
- (b) For sheet roofing over a [separating wall](#) - ABCB Housing Provisions [Part 9.3](#).
- (c) For gutters and downpipes - ABCB Housing Provisions [Part 7.4](#).

7.2.2 Corrosion protection and compatibility requirements for roofing

[2019: 3.5.1.2]

- (1) Metal sheet roofing must be protected from corrosion in accordance with [Table 7.2.2a](#).
- (2) Where different metals are used in a roofing system, including [flashings](#), fasteners, guttering, downpipes, etc., they must be compatible with each other as described in [Table 7.2.2b](#), [Table 7.2.2c](#), [Table 7.2.2d](#), to and [Table 7.2.2e](#) and—
 - (a) no lead materials can be used upstream from aluminium/zinc coated materials; and
 - (b) no lead materials can be used on roofs that form part of a [drinking water](#) catchment area; and
 - (c) no copper materials can be used upstream from galvanized coated materials.

Table 7.2.2a: Acceptable corrosion protection for metal sheet roofing

Environment	Location	Minimum metal coating in accordance with AS 1397: Metallic coated steel	Minimum metal coating in accordance with AS 1397: Metallic and organic coated steel
Low (mild steel corrosion rate 1.3 to 25 µm/y)	Typically remote inland areas or more than 1 km from sheltered bays.	Z450 galvanised or AZ150 aluminium/zinc or AM125 aluminium/zinc/magnesium	Z275 galvanised or AZ150 aluminium/zinc or AM100 aluminium/zinc/magnesium
Medium (mild steel corrosion rate 25 to 50 µm/y)	Typically more than 1 km from breaking surf or aggressive industrial areas or more than 50 m from sheltered bays.	Z450 galvanised or AZ150 aluminium/zinc or AM125 aluminium/zinc/magnesium	Z275 galvanised or AZ150 aluminium/zinc or AM100 aluminium/zinc/magnesium