

Plumbdek is a low rib profiled metal roofing and cladding with 5 trapezoidal ribs of 27mm height.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Steel & Tube confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark

[CM70050](#)

NZ Metal Roofing Manufacturers Association Inc

[Code of Practice - COPv24.06](#)

Technical Statement

Product Description

Plumbdek is very material-effective product with good performance under load.

Plumbdek is used for residential roofing and cladding, industrial/commercial roofing and cladding.

Plumbdek is a very material-effective product with good performance under load. Clear Sheeting is available in matching profile.

Available in metallic coated and pre-painted steel in .40mm and .55mm BMT (base metal thickness), and pre-painted aluminium in .90mm.

For full technical drawings in REVIT, DWG and PDF: <https://steelandtube.co.nz/bimspec/plumbdek>

Scope of use

Plumbdek is used for residential roofing and cladding, industrial/commercial roofing and cladding and curving. Plumbdek can be crimp curved to a radii of 400mm and greater.

Available in metallic coated and pre-painted steel in .40mm and .55mm BMT (base metal thickness), and pre-painted aluminium in .90mm.

Plumbdek is suitable for a wide range of end uses including roof and wall cladding, ceilings and linings. For applications requiring compliance with NZBC Clause E2, the minimum pitch is 3°.

Plumbdek is available in translucent clear sheeting (GRP – fibreglass) to match the Plumbdek profile. Matching natural lighting can be selected in trafficable, non-trafficable and fire rated options.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.3(a), B1.3.3(b), B1.3.3(g), B1.3.3(h)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.1(c)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.9
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause G12 Water supplies:** Performance G12.3.2
G12 Drinking Water: Colorsteel® Maxx® and Colorsteel® Endura® samples tested in accordance with AS/NZS 4020:2005 passed the requirements for products in contact with drinking water.

Notes

C Fire: Colorsteel® Maxx® is rated as a Group 1-S material and has an average specific extinction area of 107.0m²/kg, a peak heat release rate of 15.3 kW/m² and total heat released of 0.44 MJ/m² when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

Colorsteel® Endura® is rated as a Group 1-S material and has an average specific extinction area of 132.2m²/kg, a peak heat release rate of 16.0 kW/m² and total heat released of 0.54 MJ/m² when tested in accordance with ISO 5660:2002 Part 1 and Part 2.



masterspec partner

Company Contact Details



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G12 Drinking Water: Colorsteel® Maxx® and Colorsteel® Endura® samples tested in accordance with AS/NZS 4020:2005 passed the requirements for products in contact with drinking water.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

[COLORSTEEL Fire Testing Bulletin](#)

[COLORSTEEL Endura PTS](#)

[COLORSTEEL Maxx PTS](#)

[COLORSTEEL Dridex PTS](#)

[COLORSTEEL Dridex+ PTS](#)

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark

[CM70050](#)



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[Code of Practice - COPv24.06](#)

Product Criteria

Design requirements

To comply with the performance clause of NZBC clause E2 roof cladding to be installed in accordance with (1) acceptable solution E2/AS1 (2) NZMRM Code of Practice and (4) S&T specifications. (3) S&T Details and available on 'www.steelandtube.co.nz', (4) S&T specifications.

Roof cladding to be installed in accordance with acceptable solution E2:AS1 clause 8.4.6 Structure and table 11&12 for the wind zone at the specific site location. For additional information refer to NZMRM Code of Practice section 3.16 Maximum span and fastener requirements.

Installation requirements

[Link to NZ Steel Installers Guide](#)

Maintenance requirements

[Link to NZ Steel Maintenance Guide](#)

Warrantees

[Link to NZ Steel Environmental Categories](#)

Company Product Information

Environmental

[Link to NZ Steel Environmental Product Declaration Guide](#)

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



Environmental Choice New Zealand



Eco Choice Aotearoa



Date last validated: **25 June 2024**



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