

Residential, commercial and industrial, longrun roofing

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MEDIUM

Minimum level of assurance to meet the performance requirements of the NZ Building Code (NZBC)

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



Van Derlay Industries confirms that this minimum level of assurance has been met or exceeded by the following:
Tectonic Laboratories Limited:
[Appraisal 475/2012](#)

Product Description

Kramer is a medium height, longrun roofing profile for industrial and commercial applications. The roof panels are screw fixed through the crest. Kramer is also suitable for low pitched residential projects. The Kramer profile is not suitable for wall cladding applications. The rib shape ensures water runoff away from fixings. Van Derlay Industries Kramer is available in a range of metal substrates, including galvanised steel, Zinalume, aluminium and stainless steel, (.40 BTM; .55BTM and .75BTM) with Colorkote and Colorsteen surface finishes (refer Corsten Industries for full range of surface finishes). 910mm effective cover. Kramer is also available in glass reinforced translucent roofing. A full range of matching accessories, including ridging, flashings, underlays, fasteners and rainwater systems.

Design Guidelines

Refer to Van Derlay Industries Kramer Product Guide for design parameters, and tables of maximum spans (intermediate and end) for each wind zone from low to extra high. Selection of the correct grade of material and surface coating is essential to ensure that roofing is installed and finished to perform to meet the requirements of the NZBC and the prevailing environmental conditions.

Environmental

Environmental category literature is available at www.vanderlay.net.nz

Van Derlay Industries operates a zero waste policy with all metal off-cuts and waste recycled. The coil coated steel used in the manufacture of Kramer is from 40% recycled steel.



MSDS

[View Material Safety Data Sheet](#)

Quality Assurance



New Zealand Made



Environmental Choice New Zealand



Member of New Zealand Green Building Council



Product Information Links



[Technical Data](#)



[Drawings](#)



[Installation Instructions](#)



[Maintenance](#)



[Environmental Information](#)

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Performance Statement

Scope

The Van Derlay Industries Kramer longrun roofing system will meet the performance requirements of the NZBC within the following scope:

- The scope limitations of NZBC acceptable solution E2/AS1 Paragraph 1.1, with regards to floor area and building height for residential construction to NZS 3604; and,
- Constructed with timber or steel roof framing to specific design; and,
- Where the roof pitch is a minimum of 3 degrees and a maximum of 40 degrees; and,
- Situated in wind zones up to and including Extra High to NZS 3604, or to wind load limits in AS/NZS 1170.2 for specific design.

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 B1.3.1, B1.3.2, B1.3.3, and B1.3.4.
- **Clause B2 DURABILITY:** Performance B2.3.1 (b) and B2.3.2
- **Clause E2 EXTERNAL MOISTURE:** Performance E2.3.1 and E2.3.2.
- **Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.

Notes

Performance B2.3.1 (b) - 15 years

Evidence

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

- E2/AS1 External moisture
- NZ Metal Roofing Industries roof and wall cladding Code of Practice
- AS/NZS 1734
- AS 1397, 3566
- Historical evidence – coil coated steel has been supplied to the New Zealand market for over 50 years.

Supporting evidence

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



Techtonic Laboratories Limited
[Appraisal 475/2012](#)

Special Conditions

Installation requirements

Refer to Van Derlay Industries technical literature.

Special requirements

Kramer metal roofing must be installed by roofers licensed by Van Derlay Industries Limited. Refer to the Metal Industries roof and wall cladding Code of Practice. Design must take account of special requirements for trafficable areas and for special support required adjacent to air conditioning units and other roof-mounted equipment. Reduce purlin spacings to take account of imposed loads.

Maintenance requirements

Refer to Van Derlay Industries technical literature. To meet the requirements of NZBC B2 Durability ensure that all roof areas receive regular rain washing, or where sheltered, annual washing with fresh water to remove accumulated debris or surface deposits. Maintenance guides are available from www.vanderlay.net.nz and should be consulted to ensure that any company warranty conditions are fulfilled. 10 Year manufacturer's warranty (refer www.vanderlay.net.nz for details). Refer to Corsten Industries for details of warranties for surface finishes.



Date last validated: **4 February 2014**



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Disclaimer

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