Roofing Industries RT7 Trapezoidal Roofing and Cladding

Product Technical Statement: 100661

miproducts

RT7® is a visually appealing medium rib-height trapezoidal roofing profile
View miproducts listing

Level of assurance needed to demonstrate NZ Building Code Compliance

MEDIUM

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

Roofing Industries confirms that this minimum level of assurance has been met or exceeded by the following:
NZ Metal Roofing Manufacturers Inc
NZ Metal Roof and Wall Cladding Code of Practice - 2.2

Product Description

RT7® is a medium rib-height trapezoidal roofing profile, has an exceptional strength to weight ratio and demonstrates impressive spanning capability and water carrying capacity at a relatively low pitch.

Manufactured from high tensile material and supplied in a range of substrates and surface finishes, RT7® lends itself to a wide range of design options, including curving, and is equally practical when utilised as commercial, industrial or residential roofing and cladding.

A purpose designed stiffened underlapping support leg offers:

- Extra support for the overlapping edge
- Prevents separation of the lapping edge
- Prevents water ingress at the laps
- Prevents deformation when screwing off the roof
- Roofing installer friendly and saves on installation costs

Applications

- Commercial and industrial roofing
- Residential roofing
- Cladding in standard or reverse run profile
- Drape curving
- Crimp curving
- Fencing
- Garage door cladding

Available in a wide range of metal substrates and surface finishes including galvanised, Zincalume, ZAM, Aluminium, Stainless Steel, Colorcote and Colorsteel (.40mm BMT .55mm and .75 mm BMT) or aluminium (.70mm BMT and .90mm BMT).

A full range of matching accessories is available including ridging, flashings, underlays, fasteners and rainwater systems.

Design Guidelines

The designer needs to take into account a number of issues to ensure that the most appropriate roofing and cladding product is chosen.

The chosen profile must meet certain performance criteria; these are centred around the profile's ability to shed water from the roof and the ability of the product to span purlin and girt spacing's and meet design criteria.

Refer to Roofing Industries Profile Technical Summary for tables of maximum spans (intermediate and end) for each wind zone.

Selection of the correct grade of material and appropriate surface coating is imperative to ensure that RT7 performs satisfactorily in the environment it is to be installed in and to meet the requirements of the NZBC.

Contact Roofing Industries for environmental categories and surface coating literature. Zincalume and galvanised steel is available in a full range of Colorcote or Colorsteel pre-painted finishes.

Environmental

All Roofing Industries profile metal cladding is recyclable.

Refer to MRM RECYCLABILITY & RECYCLING OF METAL CLADDING article:

http://metalroofing.org.nz/frontend/advantages_article.cfm?advantagesid=3D4C8366-AB67-C288-96049B13FFED70E7

TDS View Technical Data Sheet





masterspec partner

Company Contact Details

Company:	Roofing Industries
Physical Address:	5 John Glenn Avenue North Harbour AUCKLAND
Postal Address:	PO Box 302385 North Harbour AUCKLAND
Telephone:	64 09 4144585
Fax:	64 09 4144586
Email:	office@roof.co.nz
Website:	www.roof.co.nz

Roofing Industries RT7 Trapezoidal Roofing and Cladding

Product Technical Statement: 100661

MSDS View Material Safety Data Sheet

Roofing Industries RT7 Trapezoidal Roofing and Cladding

Product Technical Statement: 100661

miproducts

Technical Statement

Scope

Metal cladding Materials used to construct the building envelope shall be:

- In accordance with the durability requirements of NZBC B2 Suitable for their end use, location and environment as shown in E2/AS1 Table 20, and
- Compatible with adjoining materials as shown in E2/AS1 Table 21 and Table 22.
- Can be laid down to 3 degrees roof pitch
- In accordance with the NZ Metal Roof and Wall Cladding (Code of Practice)

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:

- not available

Notes

Evidence

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

AS 1562.1:1992 Design and Installation of roof and wall cladding - Metal

AS/NZS 2728: 2007 Prefinished/painted sheet metal products. Performance requirements.

Supporting Evidence

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

NZ Metal Roofing Manufacturers Inc
NZ Metal Roof and Wall Cladding Code of Practice - 2.2

Special Conditions

Installation requirements

For full Installation requirements refer to:

- MRM - COP http://www.roof.co.nz/uploads/sidebar-links/RoofingCOP_2013-03_%281%29.pdf
- MBIE (Acceptable Solutions AS) http://www.building.govt.nz/compliance-documents
- RANZ How to books http://www.roofingassn.org.nz/
- BRANZ Publications http://www.branz.co.nz/cms_display.php?sn=55&st=1

Special requirements

Refer to:

- Roofing Industries Profile Technical Summary and this to be read in connection with E2/AS1 and the NZ Metal Roof and Wall Cladding Code of Practice.
- Purlin sizes, spacing and fixing, refer to NZS 3604
- NASH for Steel Framed Houses

Maintenance requirements

Maintenance guides are available from Roofing Industries or can be downloaded from either NZ Steel or Pacific Coilcoaters website.

Guide to regular maintenance - Areas not receiving regular rain washing should be washed with fresh water on a regular basis. Š

Washing of naturally unwashed areas at least every 12 months. Š

Removal of debris from gutters every 12 months. Š

Any noticeable build up of salt deposits and/or other contaminants are removed when identified. Š

When considering over painting please consult with your local distributor to ensure correct procedures are undertaken. Š

Inspection of the roof, including fasteners, repair any damage every 12 months.

Date last validated: **23 August 2016** Date last updated: **23 August 2016**

Disclaimer: The Product Technical Statement (PTS) template is copyright to Construction Information Limited. However the content of this PTS is the responsibility of the product manufacturer/supplier. Refer to the miproducts Terms and Conditions