

Continuous Group Limited - Building Product Information – 180 R5 pre-painted metal fascia system

Product and manufacturer details	
Product Name:	180 R5 pre-painted metal fascia system
Product Identifier:	18RPM-SYS
Manufacturer's Name & Address	Continuous Group Ltd, 6 Yashili Drive, Pokeno 2402
Manufacturer's Email Address	cg@continuous.co.nz
Manufacturer's Web Address	www.continuous.co.nz
Place of Manufacture	Aotearoa New Zealand
Warnings & Bans	No

Product description

180 R5 Fascia is an architectural term for a frieze or band running horizontally or obliquely and situated vertically under a roof edge. The bracket system provides a screw or nail free face eliminating filling and re-painting.

Table 1

System Components	Component - Material
180 R5 Fascia Panel CG Soakers (As Required)	Manufactured from "Factory Painted" pre-painted metal that complies with NZS:2728 (Eg: ColorCote or Colorsteel brands) Minimum 0.50mm BMT, grade G300 steel with minimum 200gsm zinc/alloy coating (Type 6)
CG 180 R5 Bracket	0.95mm G250 grade Steel with minimum 275gsm Galvanised coating
Fastenings/Fixings	Minimum Class 4 coated steel screws with a minimum 2.8mm depth head height and minimum 8 gauge screw thickness. Minimum 4/3 aluminium rivet fasteners.

Specifications & Installation Requirements

180 R5 pre-painted metal fascia system is designed with the following system specifications when installed as per instructions.

Table 2

System details	Specification / Installation
Pre-Installation design	Designers must review Construction Detail & Common Drop Heights before specifying this system by utilising online calculators available on the Continuous Group website.
Recommended Minimum Bracket Spacing	900mm and within 200mm of corners

Scope of use

180 R5 pre-painted metal fascia system is intended for use as fascia and barge board covering roof truss ends and gable ends around the roof perimeter of a building. It may be used to hold external gutters and soffit linings.

Continuous Group Limited - Building Product Information – 180 R5 pre-painted metal fascia system

Limitations of the use of this building product:

1. All Continuous Group Fascia Systems should only be installed by a trade professional and not to be undertaken as a DIY installation.
2. The system is designed to hold gutter and soffit systems only. The attachment of any form of “Lean to” outdoor roof system or pergolas are prohibited.
3. The system cannot be installed onto incompatible materials. The system cannot run-off onto incompatible materials. Material Compatibility, Contact and Run off to be adhered to in accordance with E2/AS1 Table 20, 21 & 22.
4. The System uses various components as specified in *Table 1*. These components make up the entire system and cannot be substituted under any circumstances.
5. The system cannot be used in Exposure zone “E” (*Reference E2/AS1-table 20*).
6. Site locations must be evaluated in areas with high wind &/or salt &/or thermal/industrial atmospheric conditions. These types of locations may require specific engineering design (SED). Designers must consult metal supplier’s information for specific durability requirements (*Reference E2/AS1 table 20*).

Maintenance Requirements

(*Link to Care and Maintenance Document below under “Supporting Documentation”*)

1. Inspection of the system is required every 3 months to check for buildup of residue and organic matter on the face and underside of the fascia.
2. Wash the painted surface of the System at a minimum of every 6 months and immediately after inspection when required.

Relevant building code clauses.

Compliance/Regulation	Detail
NZBC B1 Structure	Sections: B1.3.1, B1.3.2 & B1.3.3
NZBC B2 Durability	Section: B2.3.1 (b)
NZBC F2	Section: F2.3.1
E2/AS1 External Moisture	Tables: 20,21 & 22
NZBC C3	Fire Rating Compliance
AS/NZS 4020:2018	Test of Products for use in contact with drinking water
Code of practice V23.09	Sections as noted in reference to further installation best practice

180 R5 pre-painted metal fascia system contributes to compliance by –

NZBC B1 Structure sections B1.3.1, B1.3.2 & B1.3.3

- The materials shown in *Table 1* and the system details shown in *Table 2* of this document meet performance requirements of B1 3.1, B1.3.2 and B1.3.3.

NZBC B2 Durability section B2.3.1 (b). Durability of 15 years in compliance with NZBC B2

- The system is moderately difficult to access or replace and any failure of the system would go undetected during normal use of the building but would be easily detected during normal maintenance.

NZBC F2 Hazardous Building Materials F2.3.1

- The system manufactured from pre-painted steel as shown in *Table 1* of this document, will meet the performance requirements of F2.3.1.

E2/AS1 Table 20: “Material Selection”

- The 180 R5 Fascia Panel is classified as “Sheltered” and material selection shown in *Table 1* of this BPIR meets the requirements of table 20 for exposure Zones B,C & D: “Factory painted” material to NZS 2728 (Type 6).

E2/AS1 Table 20: “Material Selection”

- The “CG 180 R5 Bracket” is classified as “Hidden”(15 Years) and material selection shown in *Table 1* of this BPIR meets the requirements of table 20 for exposure Zones B,C & D: Galvanised steel to AS 1397.

Continuous Group Limited - Building Product Information – 180 R5 pre-painted metal fascia system

E2/AS1 Table 21 & Table 22: “Compatibility of material in contact and subject to run-off.”

- All of the materials shown in *Table 1* of this BPIR are compatible in contact and run-off with each other provided they are installed and run-off onto compatible materials.

NZBC C3 Fire affecting areas beyond the fire source: Colorcote and Colorsteel products are rated as a Group 1-5 when tested in accordance with ISO5660:2002.

AS/NZS 4020:2018: “Testing of products for use in contact with drinking water”

-Water that is in contact with material used in manufacturing Continuous Group Fascia Systems is safe for human consumption.

NZMRM Code of Practice V23.09: This information is included to assist with further information outside of building code compliance.

8.3 & 8.3A Where the vertical planes of metal facings are exposed to sight, they should be designed to allow movement and minimise thermal buckling, and buckling from timber shrinkage. Maximum dimension between folds should be restricted to 300 mm where possible, or swages installed to stiffen the panel. Constructing such flashings from thicker material will also help prevent distortion, but availability of such may be subject to minimum order quantities. Edges should be clip-fastened to allow thermal movement, and lengths over 6 m should be installed with a thermal expansion joint. This can be constructed as an overlap, or a negative detail with sheet ends overlapping an under-soaker, with a gap between the ends of the exposed faces. Typically, this gap would be 5 mm for steel flashings, and 10 mm for aluminium. [8.5.4 Parapet Cappings](#) shows an example of a parapet cap expansion detail.

8.5.3B Stepped fascia corrugate under barge.

8.5.3C Stepped fascia corrugate over barge.

10.10.1.2 Vents above fascia may require re-positioning of the fascia to allow for their depth. Fascia vents should be used in conjunction with a high fronted spouting so that the ends of the sheet and the vent are not exposed to driven rain.

Supporting documentation

The following additional documentation supports the above statements:

Document name	Weblinks
180mm R5 Fascia Brochure & Specification Document	180 R5 Fascia Brochure and Specifications 2021.pdf
180mm R5 Construction & Drop Height Details	180 R5 Fascia Construction and Drop Height Details Metal and Concrete Roofing 2021.pdf
Colorcote BPIR Document	Colorcote - MagnaFlow Datasheet 2023-1.pdf (colorcote.co.nz)
Colorsteel BPIR Document	NZ Steel Product Information Documents
Maintenance Document	Continuous Group Maintenance Document.pdf
Material Compatibility Selection	Continuous Group Material Compatibility - Material Selection v1.pdf
Material Compatibility in Contact	Continuous Group Material Compatibility - Compatibility of materials in contact v1.pdf
Material Compatibility subject to Run Off	Continuous Group Material Compatibility - Compatibility of materials subject to run off v1.pdf
Warranty Document	Continuous Group Warranties

Continuous Group Limited - Building Product Information – 180 R5 pre-painted metal fascia system

Table 3 - Continuous Group manufacturing &/or supply locations

Location	Company details
Continuous Group Northland	Northland Continuous Spouting Ltd. (NZBN# 9429032689105) 2 Sammaree Place, Kerikeri northland@continuous.co.nz
Continuous Group Auckland	Continuous Spouting Auckland Ltd. (NZBN# 9429034029862) 94 Takanini School Road, Takanini, Auckland auckland@continuous.co.nz
Continuous Group Waikato	Continuous Waikato Ltd. (NZBN# 9429030330535) 141 Queens Street, Leamington, Cambridge waikato@continuous.co.nz
Continuous Group Bay of Plenty	Continuous Group BOP Ltd. (NZBN# 9429048508520) 31B Enterprise Drive, Papamoa, Tauranga bop@continuous.co.nz
Continuous Group Gisborne	Streetwise Spouting Ltd. (NZBN# 9429042306276) 4 Leith Street, Gisborne gisborne@continuous.co.nz
Continuous Group Hawke's Bay	Rooftech Hawke's Bay Ltd. (NZBN# 9429035443889) 2/7 Cadbury Road, Onekawa, Napier Hawkes_bay@continuous.co.nz
Continuous Group Taranaki	Gutter Solutions Ltd. (NZBN# 9429036739240) 46 Jellicoe Street, Whanganui East taranaki@continuous.co.nz
Continuous Group Whanganui/Manawatu	Gutter Solutions Ltd. (NZBN# 9429036739240) 46 Jellicoe Street, Whanganui East manawatu@continuous.co.nz
Continuous Group Wellington	Wellington Continuous Spouting Ltd. (NZBN# 9429043333974) 8 Hollands Crescent, Naenae, Lower Hutt wellington@continuous.co.nz
Continuous Group Nelson/Marlborough	Top of the South Continuous Spouting Ltd. (NZBN# 9429037834142) 7 Fuji Court, Stoke, Nelson nelson@continuous.co.nz
Continuous Group Westland	Continuous Spouting South Ltd. (NZBN# 9429050107209) 51-57 Revel Street, Hokitika westland@continuous.co.nz
Continuous Group Christchurch/North Canterbury	Continuous Spouting South Ltd. (NZBN# 9429050107209) 16 Westland Place, Izone Industrial Estate, Rolleston canterbury@continuous.co.nz
Continuous Group Mid/South Canterbury	Continuous Spouting South Ltd. (NZBN# 9429050107209) 126 Dobson Street, Ashburton canterbury@continuous.co.nz
Continuous Group Central Otago	Continuous Spouting South Ltd. (NZBN# 9429050107209) 5 Connelly Way, Cromwell otago@continuous.co.nz
Continuous Group Coastal Otago	Continuous Spouting South Ltd. (NZBN# 9429050107209) 8 Benson Close, Mosgiel otago@continuous.co.nz
Continuous Group Southland	Continuous Spouting South Ltd. (NZBN# 9429050107209) 72 Leet Street, Invercargill southland@continuous.co.nz



Continuous Group are members of the NZ Metal Roofing Manufacturers Incorporated and the Roofing Association New Zealand.