BUILDING PRODUCT INFORMATION REQUIREMENTS

Cube 175 pre-painted metal spouting custom length

Product information supplied by Continuous Group Limited under the Building (Building Product Information Requirements) Regulations 2022.

PRODUCT AND MANUFACTURER DETAILS

Product name	Cube 175 pre-painted metal spouting custom length
Product identifier	C17PM-COM
Manufacturer's name & address	Refer to Table 3 for Continuous Group branded manufacturing locations and/or supply.
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

Cube 175mm pre-painted metal spouting custom length is the main component used in the installation of the Cube 175 spouting system.

TABLE 1 — COMPONENT MATERIAL

COMPONENT	COMPONENT — MATERIAL
Cube 175 Spouting	Manufactured from "factory painted" pre-painted metal complying with AS/NZS 2728 (Type 6). Minimum 0.50mm BMT, grade G300 steel. Available in two specifications: Mag-150 — ColorCote MagnaFlow prepainted G300 steel, minimum 150gsm alloy/zinc/magnesium coating. Maxam-150 — ColorSteel Maxam prepainted G300 steel, minimum 150gsm alloy/zinc/magnesium coating. Note: different brands offer colours within their own colour ranges. Coil width varies with the gutter size requested.

INSTALLATION REQUIREMENTS

Refer to Cube 175 pre-painted metal spouting system BPIR:C17PM-SYS:2026.v2 for full system and installation details.

TABLE 2 — PRODUCT DETAILS

PRODUCT DETAILS	SPECIFICATION
Maximum cross-sectional capacity	19,250mm² (gross of freeboard)
Flow capacity	357.7 litres per minute
Exposure zones	Suitable in Zones B and C without conditions. Zone D may require a pre-approval warranty application based on site address. Not suitable in Zone E.
Warranty	15-year perforation warranty and 10-year paint warranty (Zones B, C, D), provided maintenance conditions are met.

SCOPE OF USE

Cube 175 pre-painted metal spouting is an external spouting length designed to collect and channel water that runs off a roof. It is intended that the product is positioned outside of the building envelope, at the perimeter of the building.

Limitations of the use of this building product

1. The product cannot be installed onto fascia or cladding with incompatible materials, and cannot run off onto incompatible materials. Material compatibility, contact and run-off to be adhered to in accordance with E2/AS1 Tables 20, 21 & 22.
2. The product cannot be used as an "internal gutter" as described in the NZMRM Code of Practice — "a gutter positioned inside the building envelope".
3. The product cannot be used in exposure Zone E (reference E2/AS1 Table 20).
4. The product may require an additional snow support system depending on site location and altitude (reference Section 15 "Snow Loading", NZS 3604).
5. Site locations must be evaluated in areas with high wind and/or salt and/or thermal/industrial atmospheric conditions. These 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

Refer to the Care and Maintenance Document listed under "Supporting documentation".

1. Inspection of the product is required every 3 months to check for build-up of residue and organic matter inside and outside of the product.
2. Wash the painted surface at a minimum interval of every 6 months, and immediately after inspection if required.
3. Remove any debris from the inside of the spouting at least every 6 months, and immediately after inspection if required.

RELEVANT BUILDING CODE CLAUSES

COMPLIANCE / REGULATION	DETAIL
E1/AS1 Surface water	Sections 5.1.4 & 5.2.1 — Amendment 12, effective 2 November 2023
E2/AS1 External moisture	Table 20
AS/NZS 2179.1:2014	Sections 2.3.2, 3.2.1 and Table 3.1
B2/AS1	Table 1: Durability requirements of nominated building element

Cube 175 pre-painted metal spouting custom length contributes to compliance by —

E1/AS1 section 5.1.3: "Figures 15 and 16 are based on a rainfall intensity "I" of 100 mm/hr. Where "I" exceeds 100 mm/hr the required gutter size shall be increased by taking the value read from the figures and multiplying it by the ratio of "I"/100."

The required gutter cross-section for the roof area served must be read from E1/AS1 Figure 15 (external gutter) and, where the site rainfall intensity exceeds 100mm/hr, increased by the ratio I/100. The site intensity is taken from E1/AS1 Appendix A Table A, the territorial authority, or NIWA HIRDS. This system may be specified only where the cross-sectional capacity shown in Table 2 equals or exceeds that requirement — confirm with the NZMRM gutter capacity calculator (Code of Practice 5.4.7).

E1/AS1 section 5.1.4: "In no case shall the cross-sectional area of any gutter be less than 4000 mm²."

Gutter cross-sectional area is 19,250mm², gross of freeboard.

E1/AS1 section 5.2.1: "Roof gutter materials shall comply with the standards stated in Table 6."

Manufactured from zinc/aluminium/magnesium coated steel to AS 1397, which is an acceptable material standard for roof gutters.

E2/AS1 Table 20: "Material selection."

The product is classified as "sheltered" and the material selection shown in Table 1 meets the requirements of Table 20 for exposure Zones B, C & D for "factory painted" material to AS/NZS 2728 (Type 6).

AS/NZS 2179.1:2014 section 2.3.2: "Pre-painted metals shall comply with AS/NZS 2728."

Spouting is manufactured from pre-painted metals that comply with AS/NZS 2728 as shown in Table 1.

AS/NZS 2179.1:2014 section 3.2.1 and Table 3.1: "Gutters less than 10000mm² manufactured from G300 coated steel require a minimum BMT of 0.50mm."

Spouting (gutter) is manufactured from minimum 0.50mm BMT G300 steel and meets the specification required as detailed in Table 3.1.

B2/AS1 Table 1:

Durability requirements of nominated building element — requires external gutters to have a durability of 5 years. A 15-year perforation warranty and 10-year paint warranty are provided in exposure Zones B, C and D, provided the maintenance conditions are met.

SUPPORTING DOCUMENTATION

The following additional documentation supports the above statements.

DOCUMENT NAME	WEBLINK
Cube 175mm brochure & specification document	Cube 175 Spouting Brochure and Specification 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 — material 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

TABLE 3 — 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 and Bay of Plenty (NZBN 9429030330535) 141 Queens Street, Leamington, Cambridge waikato@continuous.co.nz
Continuous Group Bay of Plenty	Continuous Waikato and Bay of Plenty (NZBN 9429030330535) 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

LOCATION	COMPANY DETAILS
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 / Kapiti Coast / Wairarapa	Wellington Continuous Spouting Ltd. (NZBN 9429043333974) Unit B, 1 Prosser Street, Porirua wellington@continuous.co.nz
Continuous Group Nelson / Marlborough / Buller	Continuous Spouting South Ltd. (NZBN 9429050107209) 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) Unit 5 / 9 Holmglen Street, Washdyke, Timaru canterbury@continuous.co.nz
Continuous Group Central Otago	Continuous Spouting South Ltd. (NZBN 9429050107209) 7 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.