

Product and manufacturer details	
Product Name:	Cube 300 pre-painted metal spouting
Product Identifier:	C30PM-COM
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
Manufacturer’s NZBN	9429034817001
Place of Manufacture	Aotearoa New Zealand
Warnings & Bans	No

Product description

Cube 300mm pre-painted metal spouting custom length is the main component used in the installation of the Cube 300 spouting system.

Table 1

System Components	Component - Material
Cube 300 Spouting	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)

Specifications & Installation Requirements

Refer to Cube 300 pre-painted metal spouting system BPIR:C30PM-SYS:2023:v1 for full system and installation details.

Table 2

System details	Specification / Installation
Maximum Cross Sectional capacity	35,500mm ²

Scope of use

Cube 300 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.

Limitations of the use of this building product:

1. The product cannot be installed onto fascia or cladding with incompatible materials. The product 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.
2. The product cannot be used as an “Internal gutter” as described in the NZMRP-COP “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” NZS3604)
5. 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).

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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 inside and outside of the system.
2. Wash the painted surface of the System at a minimum 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
E2/AS1 External Moisture	Table 20
AS/NZS 2179.1.2014	Section: 2.3.2, 3.2.1 and Table 3.1
B2/AS1	Table 1: Durability Requirements of Nominated Building Element

Cube 300 pre-painted metal spouting contributes to compliance by –

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 35,500mm².

E1/AS1 Section 5.2.1: “Roof gutter materials shall comply with the standards stated in Table 6 (AS-1397)”

- Manufactured from Zinc/aluminium coated steel to AS-1397 which is an acceptable material standard for roof gutters.

E2/AS1 Table 20: “Material Selection”

- The system 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) and “Aluminium” & “uPVC” materials.

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 complies with AS/NZS 2728 material as shown in table 1 of this BPIR.

AS/NZS 2179.1.2014 Section 3.2.1 and Table 3.1: “The effective cross-sectional area and minimum base metal thickness (BMT) of shape or sheet for eaves gutters, stop ends and flashing saddles with sole width equal to or less than 200mm shall be specified as in Table 3.1- Gutters less than 10000mm² manufactured from G300 coated steel require a minimum BMT of 0.50mm.”

- Spouting (Gutter) 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.

- 10 year warranty is provided with this gutter system provided the maintenance conditions are met.

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Supporting documentation

The following additional documentation supports the above statements:

Document name	Weblinks
Cube 300mm Brochure & Specification Document	Cube 300 Information Page
Colorcote BPIR Document	Colorcote - MagnaFlow Datasheet 2023-1.pdf (colorcote.co.nz)
Colorsteel BPIR Document	NZ Steel Product Information Documents
Maintenance Document	National 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