BUILDING PRODUCT INFORMATION REQUIREMENTS

Archie Box 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	Archie Box pre-painted metal spouting custom length
Product identifier	ARBPM-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

Archie Box pre-painted metal spouting custom length is the main component used in the installation of the Archie Box pre-painted metal spouting system. It is a custom-sized box profile in the Designer Series — clean lines with no curves — made to order with some standardised sizes available.

TABLE 1 — COMPONENT MATERIAL

COMPONENT	COMPONENT — MATERIAL
Archie Box Spouting	Manufactured from "factory painted" pre-painted metal complying with AS/NZS 2728 (Type 6). Available in four specifications: **Mag-200** — ColorCote MagnaFlow prepainted G300 steel, minimum 200gsm alloy/zinc/magnesium coating. **Mag-150** — ColorCote MagnaFlow prepainted G300 steel, minimum 150gsm alloy/zinc/magnesium coating. Minimum 0.50mm BMT, grade G300 steel. **Maxam-150** — ColorSteel Maxam prepainted G300 steel, minimum 150gsm alloy/zinc/magnesium coating. Minimum 0.50mm BMT, grade G300 steel. **Pre-painted aluminium** — ColorCote AlumiGard or ColorSteel Altimate, substrate Aluminium 5005-H34. Coil width varies with the gutter size requested. Note: different brands offer colours within their own colour ranges.

INSTALLATION REQUIREMENTS

Refer to Archie Box pre-painted metal spouting system BPIR:ARBPM-SYS:2026.v2 for full system and installation details.

TABLE 2 — PRODUCT DETAILS

PRODUCT DETAILS	SPECIFICATION
Maximum cross-sectional capacity	Variable — depends on the size ordered. Confirm the specified size on order; all sizes exceed the 4,000mm² (gross of freeboard) E1/AS1 minimum.
Flow capacity	Variable — depends on the size ordered
Exposure zones	Pre-painted steel is suitable in Zones B and C without conditions; Zone D may require a pre-approval warranty application based on the site address; not suitable in Zone E. Pre-painted aluminium is suitable in Zones B, C, D and E.
Warranty	15-year perforation and 10-year paint warranty — Zones B, C and D for the MagnaFlow and Maxam steel specifications; Zones B, C, D and E for the AlumiGard or Altimate pre-painted aluminium specification. Provided maintenance conditions are met.

SCOPE OF USE

Archie Box 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

Archie Box 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 mm^2."

Gutter cross-sectional area is variable — depends on the size ordered.

E1/AS1 section 5.2.1: "Roof gutter materials shall comply with the standards stated in Table 6 (AS 1397)."

Manufactured from zinc/aluminium/magnesium alloy 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: "factory painted" material to AS/NZS 2728 (Type 6) in exposure Zones B, C & D for the steel specifications and Zones B, C, D & E for the pre-painted aluminium specification. Pre-painted steel is suitable in Zones B and C without conditions; Zone D may require a pre-approval warranty application based on the site address.

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: "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."

Spouting (gutter) meets the specification required as detailed in Table 3.1 for its cross-sectional area of variable — depends on the size ordered.

B2/AS1 Table 1: Durability requirements of nominated building element — requires external gutters to have a durability of 5 years.

A 15-year perforation and 10-year paint warranty is provided with this gutter 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
Archie Box brochure & specification document	Archie Box Spouting Brochure and Specification.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

LOCATION	COMPANY DETAILS
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
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

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