BUILDING PRODUCT INFORMATION REQUIREMENTS

Archie Box copper 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 copper spouting custom length
Product identifier	ARBCU-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 copper spouting custom length is the main component used in the installation of the Archie Box copper 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 0.60mm DHP Copper — ¾ Hard (Grade C12200) that complies with BS EN 1172 as per E1/AS1 Table 6 and AS 1566. Coil width varies with the size ordered.

INSTALLATION REQUIREMENTS

Refer to Archie Box copper spouting system BPIR:ARBCU-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	Suitable in Zones B, C, D and E (all copper products).
Warranty	20-year material and perforation warranty (Zones B, C, D, E), provided maintenance conditions are met.

SCOPE OF USE

Archie Box copper 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 may require an additional snow support system depending on site location and altitude (reference Section 15 "Snow Loading", NZS 3604).
4. 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. 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 2.4.2, 3.2.1 and Table 3.1
B2/AS1	Table 1: Durability requirements of nominated building element

Archie Box copper 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 varies with the size ordered and is in all cases greater than 4,000mm^2. The cross-sectional area of the specified size is confirmed on order.

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

Copper sheet used to manufacture gutters meets the standard BS EN 1172 as per E1/AS1 Table 6.

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 & E for "copper" materials.

AS/NZS 2179.1:2014 section 2.4.2: "Copper and copper alloys used for rainwater goods shall comply with AS 1566."

Spouting is manufactured from copper that complies with AS 1566 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 — gutters less than 10000mm^2 manufactured from copper require a minimum BMT of 0.55mm."

Spouting (gutter) is manufactured from 0.60mm copper and meets the specification required as detailed in Table 3.1 for the size ordered.

B2/AS1 Table 1:

Durability requirements of nominated building element — requires external gutters to have a durability of 5 years. A 20-year material and perforation warranty is provided in exposure Zones B, C, D and E, 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
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
Continuous Group Taranaki	Gutter Solutions Ltd. (NZBN 9429036739240) 46 Jellicoe Street, Whanganui East taranaki@continuous.co.nz

LOCATION	COMPANY DETAILS
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.