

Continuous Group Limited - Building Product Information – 100FS copper downpipe

Product and manufacturer details	
Product Name:	100mm Form Series copper downpipe
Product Identifier:	100FSCU-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

100mm copper downpipe is an external downpipe length is the main component used in the installation of the 100mm Copper downpipe system.

Table 1

System Components	Component - Material
100mm Form Series Copper downpipe	Manufactured from 0.55mm Copper – ¾ Hard (Grade C12200) copper that complies with BS EN 1172 as per E1/AS1 Table 4 and AS1566

Specifications & Installation Requirements

Refer to 100mm copper downpipe system BPIR: 100FSCU-SYS:2023.v1 for full system and installation details.

Table 2

System details	Specification / Installation
Outlet Cross Section Capacity	7690mm ²

Scope of use

100mm copper downpipe system is an external downpipe designed to collect and channel water that runs out of the gutter or rainwater head. It is intended that the product will be positioned outside of the building envelope.

Limitations of the use of this building product:

1. The product cannot be installed onto spouting, rainheads 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 downpipe”.
3. The product can be used for gravity feed purposes and used if the lines are “Charged” with water. (Occurs when rainwater collection tanks are above ground level). If Charged, the downpipe seam requires welding to seal the downpipe and a fernco/adaptor is required.
4. 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 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 downpipe at least every 6 months and immediately after inspection if required.

Relevant building code clauses.

Compliance/Regulation	Detail
E1/AS1 Surface water	Sections: 4.1.1 & 4.2.1
E2/AS1 External Moisture	Table 20,21 & 22
AS/NZS 2179.1.2014	Section: 3.5 & Table 3.3
B2/AS1	Table 1: Durability Requirements of Nominated Building Element
NZBC C3	Fire Rating Compliance
NZBC F2	Section: F2.3.1
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

E1/AS1 Table 6 and AS1566

100mm copper downpipe system contributes to compliance by –

E1/AS1 section 4.1.1: “Materials for downpipes shall comply with the standards stated in Table 4 (AS1566)”.

- Manufactured from copper sheet to BS EN 1172 or AS 1566 which is an acceptable material standard for downpipes.

E1/AS1 section 4.2.1: “Downpipes size using Table 5 are acceptable. Other downpipes are acceptable provided their cross-sectional area is no less than that required by Table, and they permit passage of a 50mm diameter sphere.

- Downpipe size is bigger than 50mm diameter.

E2/AS1 Table 20: “Material Selection”

- The product 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 & E for “Copper” and “uPVC” materials..

AS/NZS 2179.1.2014 Section 3.5 and Table 3.3: “The minimum base metal thickness (BMT) of vertical or graded downpipes of cross sectional areas less than 75,000mm shall be as specified in Table 3.3 or 3.4 as appropriate.”

- 100FS downpipes meets the minimum BMT specification required as detailed in table 3.3.

B2/AS1 Table 1: “Durability Requirements of Nominated Building Element- requires external downpipes to have a durability of 5 Years”.

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

Continuous Group Limited - Building Product Information – 100FS copper downpipe**Supporting documentation**

The following additional documentation supports the above statements:

Document name	Weblinks
Form Series Brochure & Specification Document	Form Series Downpipes Brochure and Specification 2021.pdf
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

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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



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