

Marley Rectangular Downpipe Systems



Marley New Zealand uPVC downpipe systems are designed to efficiently transfer rainwater from spouting to stormwater systems.

Rectangular Downpipe Systems:



- > Will not rust
- > UV resistant
- > Compatible with Marley Classic®, Stormcloud® and FL2® spouting systems
- > Available in white only and two sizes: 65 x 50mm and 100 x 50mm

Components of the system

Rectangular Downpipe 65x50mm

COMPONENT	CODE	PRODUCT
RECTANGULAR DOWNPIPE 65 x 50 3m Length	MC16	
112° SOCKET BEND OFFSET	MC12	
95° SOCKET BEND	MC13	
PIPE SOCKET	MC14	
90° CHANGE OF DIRECTION	MC18	
SQUARE TO ROUND SOCKET 65 x 50 to 65mm	MC19.65	
SQUARE TO ROUND SOCKET 65 x 50 to 80mm	MC19.80	
RECT JUNCTION 112°	MC20	
PIPE CLIP STAND-OFF 10 Per Packet	MC22S	
PIPE CLIP 10 Per Packet	MC22	
DROPPER OUTLET	MC11.65	
SOLVENT WELDING CEMENT WHITE 180g Tube	MCS	

Rectangular Downpipe 100x50mm

COMPONENT	CODE	PRODUCT
RECTANGULAR DOWNPIPE 100 x 50 3m Length	MC140	
95° SOCKET BEND	MC142	
45° SOCKET BEND	MC145	
PIPE SOCKET	MC149	
ADAPTOR 100 x 50 to 80mm	MC141.80	
ADAPTOR 100 x 50 to 90mm	MC141.90	
95° REVERSE FACE ELBOW	MC146	
45° REVERSE FACE ELBOW	MC147	
95° REVERSE FACE TEE	MC148T	
PIPE CLIP-STAND-OFF 10 Per Packet	MC144S	
PIPE CLIP 10 Per Packet	MC144	
DROPPER OUTLET	MC11.100.50	
SOLVENT WELDING CEMENT CEMENT WHITE 180g Tube	MCS	

Most of the products mentioned in the tables above are manufactured by Marley NZ, however some of them may be sourced from reputable companies.

Manufacturer

Marley New Zealand Limited

- › 32 Mahia Rd, Manurewa, Auckland – New Zealand
- › 0800 627539
- › www.marley.co.nz
- › info@marley.co.nz
- › NZBN: 9429038863431

Others

Bostik New Zealand Ltd

- › 19 Eastern Hutt Road, Wingate, Lower Hutt, Wellington 5019
- › www.bostik.com
- › nzsales@bostik.com

Altus Enterprises

- › 246 Puhinui Road, Papatoetoe, Auckland 2025
- › altuserprises.co.nz
- › sales@altuserprises.co.nz

Relevant Building Code Clauses

Marley Rectangular downpipe system when used, installed, and maintained in accordance with the requirements outlined in this document, will meet or contribute to meeting:

- › NZBC Clause B2: Durability. Exceeds the requirement NZBC B2.3.1 c) 5 years.
- › NZBC Clause E1: Surface Water. Meets the requirements for NZBC E1.3.3 (a), (b), and (d).
- › NZBC Clause F2: Hazardous Building Materials. Meets this requirement and will not present a health hazard to people.

Quality Assurance

Product batch release testing is conducted by Quality Control systems according to manufacturing standards at the site of manufacture.

All product compliance validation is conducted at the Marley IANZ Registered Laboratory (IANZ 92).

Limitations on the use

Marley uPVC spouting and downpipe systems are suitable **ONLY** as external spouting and downpipes and are **NOT** suitable for use as a concealed system or as internal spouting and downpipes.

Rectangular downpipe should not be buried. Marley's Stormline® stormwater or OPTIM® DWV pipe should be used for this application.

The use of Marley Curve® is not recommended with rectangular downpipes.

Guarantee

Marley guarantees the purchaser of Marley spouting or downpipe products against defects in material and manufacture for a period of 15 years from the original date of purchase. For more information refer to [Marley Guarantee](#).

Design

Flow Characteristics

Marley uPVC spouting and downpipe systems have been designed to optimise the discharge of water. Selection of spouting profile and downpipe size is dependent upon the roof catchment area and the rainfall intensity for the region where the product is being installed.

Applying fall to the spouting improves the flow and the location of the downpipe outlets can also influence the flow. NZBC Clause E1 - Surface Water references downpipes and spouting in Acceptable Solution Clause 4.

MARLEY PRODUCT	DOWNPIPE SIZE	ROOF PITCH			
		0° - 25°	25° - 35°	35° - 45°	45° - 55°
	Minimum internal size	Roof plane area served by the downpipe (m ²)			
65 x 50 rectangular	65 x 50	60	50	40	35
100 x 50 rectangular	100 x 50	100	80	70	60

Source: BRANZ Bulletin - Issue 509

Colour durability

Over time the components of the Marley spouting and downpipe system will weather, as is customary with many exterior finishes. Weathering will not affect the long-term durability of the system. The rate at which colour fading occurs will be dependent on the environmental conditions the product is exposed to, including UV levels, pollution and building orientation.

Installation

- › Prior to connecting downpipes, ensure spouting outlets have been installed as per spouting installation instructions.
- › When measuring downpipe lengths for cutting, allow for the socket or spigot depth of any components such as outlets, bends, and joiners.
- › Use a plumb line to mark where the downpipe will sit against the wall. Ensure downpipe clips are installed as per the following sections.
- › The downpipe assembly should be solvent jointed together using only Marley MCS solvent cement. However, the downpipe assembly should not be glued to the spouting outlet. It should be screwed to the outlet with a stainless-steel screw. This allows for easy removal for maintenance or repair.
- › In accordance with the relevant codes, downpipe can be connected to a stormwater or surface outlet, or access pit. Do not connect downpipe to a wastewater gully trap.

Installing downpipe clips

A. Downpipe clip options

Two downpipe clip options are available: standard saddle pipe clip or a stand-off pipe clip.

The latter holds the downpipe away from the wall.

B. For vertical downpipe installation

Place the top downpipe clip a maximum of 200mm from the bend or outlet using two stainless steel screws. Ensure the second and subsequent clips are spaced no more than 1.2m apart.

C. For horizontal downpipe installation

Place the first downpipe clip no more than 200mm from the bend or junction. Ensure the second and subsequent clips are no more than 1.0m apart. Horizontal downpipe should always be installed with a fall away from the spouting.

Maintenance

- › Wash your Marley spouting and downpipe system at least once a year. Use warm soapy water.
- › If painting white spouting or downpipe, thoroughly clean the surface first. Apply one coat of acrylic undercoat, followed by one coat of acrylic topcoat. Apply a second top coat if necessary. Use only light colours.

For more information refer to [Marley Rainwater Systems Maintenance Schedule](#).

Warning and/or Bans

Rectangular downpipe system is not subject to any warning or ban.