Marley RP80® Downpipe System

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

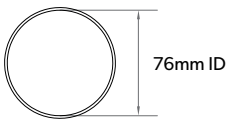
RP80® 80mm Round Downpipe System:

- Manufactured from uPVC.
- Will not rust.
- Smooth internal bore to aid flow.
- UV resistant.
- Extensive range of fittings ensure a consistent high-quality finish, minimise cutting and simplify complex installations.
- Range of colors to match the spouting, roof or color scheme of the house.
- Compatible with the following Marley spouting systems: Classic™, Stormcloud®, FL2® and Typhoon®.

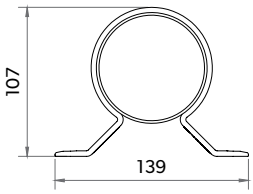
Colours available:

White | Black | Ironsand® | Grey Friars® | FlaxBlack® | Titanium (Metallic) | Copper (Metallic)

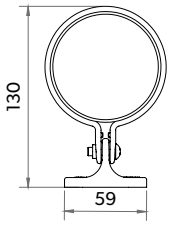
Technical Details – RP80®



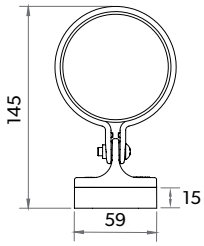
Profile



Saddle clip



Adjustable clip



Adjustable clip and spacer

Components of the system

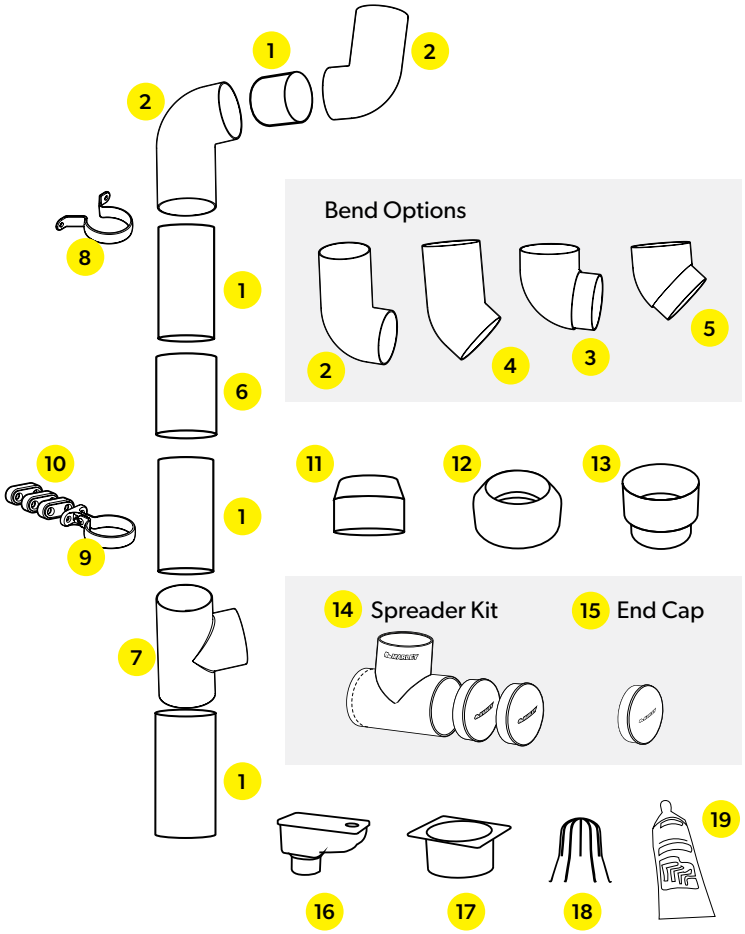


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Table 1: System Components

	COMPONENT	WHITE	GREY FRIARS®	IRONSAND®	BLACK	FLAXBLACK®	TITANIUM	COPPER
1	RP80® 80mm 3m Length	RP80	RP80.GYF	RP80.IRO	RP80.BLK	RP80.FXB	RP80.TTN	RP80.COP
2	95° F+F Bend 80mm	RB2.80	RB2.80.GYF	RB2.80.IRO	RB2.80.BLK	RB2.80.FXB	RB2.80.TTN	RB2.80.COP
3	95° M+F Bend 80mm	RB4.80	RB4.80.GYF	RB4.80.IRO	RB4.80.BLK	RB4.80.FXB	RB4.80.TTN	RB4.80.COP
4	43° F+F Bend 80mm	RB3.80	RB3.80.GYF	RB3.80.IRO	RB3.80.BLK	RB3.80.FXB	RB3.80.TTN	RB3.80.COP
5	43° M+F Bend 80mm	RB5.80	RB5.80.GYF	RB5.80.IRO	RB5.80.BLK	RB5.80.FXB	RB5.80.TTN	RB5.80.COP
6	Jointing Socket 80mm	RS80	RS80.GYF	RS80.IRO	RS80.BLK	RS80.FXB	RS80.TTN	RS80.COP
7	95° Junction 80mm	RJ80	RJ80.GYF	RJ80.IRO	RJ80.BLK	RJ80.FXB	RJ80.TTN	RJ80.COP
8	Pipe Clip-Saddle 80mm	RC80	RC80.GYF	RC80.IRO	RC80.BLK	RC80.FXB	RC80.TTN	RC80.COP
9	Pipe Clip Adjustable 80mm	RC80.2	RC80.2.GYF	RC80.2.IRO	RC80.2.BLK	RC80.2.FXB	RC80.2.TTN	RC80.2.COP
10	Pipe Clip Adjustable Spacer 80mm	RC80.2S	RC80.2S.GYF	RC80.2S.IRO	RC80.2S.BLK	RC80.2S.FXB	RC80.2S.TTN	RC80.2S.COP
11	Adaptor 80 to 90mm	RA80.90	RA80.90.GYF	RA80.90.IRO	RA80.90.BLK	RA80.90.FXB	RA80.90.TTN	RA80.90.COP
12	Adaptor 80 to 100mm	RA80.100	RA80.100.GYF	RA80.100.IRO	RA80.100.BLK	RA80.100.FXB	RA80.100.TTN	RA80.100.COP
13	Adaptor Stormcloud	RAS80						
14	Downpipe Spreader Kit 80mm	SKIT80	SKIT80.GYF	SKIT80.IRO	SKIT80.BLK	SKIT80.FXB	SKIT80.TTN	SKIT80.COP
15	End Cap 80mm	CS80	CS80.GYF	CS80.IRO	CS80.BLK	CS80.FXB	CS80.TTN	CS80.COP
16	Rainwater Gully	1SD6166						
17	Dropper Outlet	MC11.80	MC11.80.GYF	MC11.80.IRO	MC11.80.BLK	MC11.80.FXB	MC11.80.TTN	MC11.80.COP
18	Outlet Strainer	RWST						
19	Solvent Welding Cement 180g Tube	MCS	MCS.GYF	MCS.IRO	MCS.BLK	MCS.FXB	MCS.TTN	MCS.COP

Most of the products mentioned in Table 1 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
- www.altusenterprises.co.nz
- sales@altusenterprises.co.nz

Relevant Building Code Clauses

Marley RP80® 80mm round 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.
RP80® downpipe should not be buried. Marley's Stormline® stormwater or OPTIM® DWV pipe should be used for this application.

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			
	Minimum internal size	0° - 25°	25° - 35°	35° - 45°	45° - 55°
		Roof plane area served by the downpipe (m^2)			
RP65® (ID: 65mm)	63mm diameter	60	50	40	35
RP80® (ID: 76mm)	74mm diameter	85	70	60	50

Table is based on 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.
- Note: RP80® white is socketed at one end so joiners are not required to join two lengths of pipe. All other RP80® colours are not socketed so require an RS80® joiner to join lengths together.
- 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. A standard saddle pipe clip or an adjustable pipe clip with optional spacers. The later offers greater install flexibility on multi-storey houses that feature variations in cladding, or an angled weatherboard.

Pipe clip saddle 80mm (RC80)

Adjustable pipe clip 80mm (RC80.2)

Adjustable pipe clip spacer 80mm (RC80.2S)

Saddle Clip

Adjustable Clip

Adjustable Clip and Spacer

B. Angled cladding systems
The RC80.2 adjustable clip features 180° angular adjustment to fit any angled wall cladding surface.

C. 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.

D. 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.

For more information refer to *"Marley Stratus Design Series – Design and Installation Guide" Section 4*

Maintenance requirements

› 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

RP80® system is not subject to any warning or ban.

MAR5484 August 2023