

# Marley uPVC Non Pressure Solutions – Stormline® Stormwater Systems

The Marley Stormline® system has an extensive range of small and large diameter uPVC pipes, bends, junctions, couplers, adaptors, and access fittings.

Stormline® solid wall pipe is the perfect solution for stormwater applications supplied with both socket and rubber ring joints.

To complement this range Marley also offer small and large diameter uPVC injection moulded fittings that meet rigorous quality standards for all connection requirements with the range of access fittings allowing for ease of maintenance when required.

Marley Large Diameter Range is made from uPVC and are designed for non pressure applications in stormwater, commercial, rainwater, and rural applications.

## Components of the system

### Stormline® Stormwater Pipe (SN4)

#### SOLVENT JOINT



PRODUCT CODE	DESCRIPTION
700.90.1	90DN STORMLINE PIPE 6SJ
700.90.3	90DN STORMLINE PIPE 6SJ
700.90.6	90DN STORMLINE PIPE 6SJ
700.100.6	100DN STORMLINE PIPE 6SJ
700.150.6	150DN STORMLINE PIPE 6SJ
700.175.6	175DN STORMLINE PIPE 6SJ

#### RUBBER RING JOINT



PRODUCT CODE	DESCRIPTION
700.150.6RJ	150DN STORMLINE PIPE 6RJ
700.175.6RJ	175DN STORMLINE PIPE 6RJ
700.225.6RJ	225DN STORMLINE PIPE 6RJ
700.300.6RJ	300DN STORMLINE PIPE 6RJ
700.375.6RJ	375DN STORMLINE PIPE 6RJ

### Stormline® - Fittings Solvent Joint 90DN > 150DN

#### PLAIN BEND



PRODUCT CODE	SIZE
701.90.15	90 x 15°
701.90.22	90 x 22°
701.90.45	90 x 45°
701.90.88	90 x 88°
101.100.15	100 x 15°
701.100.45	100 x 45°
701.100.88	100 x 88°
701.150.45	150 x 45°
701.150.88 'swept'	150 x 88°
701.150.90 'tight radius'	150 x 90°

#### SIDE ACCESS BEND



PRODUCT CODE	SIZE
103.100.45S	100 x 45°
103.100.88S	100 x 88°

#### PLAIN JUNCTION



PRODUCT CODE	SIZE
704.90.45	90 x 45°
704.90.88	90 x 88°
704.100.45	100 x 45°
704.100.88	100 x 88°
704.150.45	150 x 45°
704.150.88 'swept'	150 x 88°
704.150.90 'tight radius'	150 x 90°

#### M & F BEND



PRODUCT CODE	SIZE
771.90.45	90 x 45°

### REDUCING JUNCTION



PRODUCT CODE	SIZE
704.150.100.45*	150 x 100 x 45°
704.150.100.90	150 x 100 x 90°

\*M & F Socket Ends

### GASKET



PRODUCT CODE	SIZE
736.90GASKET	

### SIDE ACCESS JUNCTION M & F



PRODUCT CODE	SIZE
105.100.45LH	100 x 45°
105.100.45RH	100 x 45°

### KERB OUTLET



PRODUCT CODE	SIZE
765.90	90DN x 300
765.100	100DN x 300

### SOLVENT COUPLER



PRODUCT CODE	SIZE
710.90	90DN
710.100T*	100DN
710.150	150DN

\*Coupler has external thread on one side

### PUSH ON CAP



PRODUCT CODE	SIZE
737.90	90DN
737.100	100DN

### STORMWATER TO DOWNPIPE ADAPTOR



PRODUCT CODE	SIZE
724.100.80.90	100 x 89/90DN
724.100.90 (Bush)	100 x 90DN
724.90.100	90 x 100DN
724.150.100 (Bush)	150 x 100DN

### STORMWATER GRATE & FRAME



PRODUCT CODE	SIZE
769.90	90DN
769.150.100	100DN

### ACCESS PIPE M&F



PRODUCT CODE	SIZE
129.100S	100DN

### SCREW CAP & BASE



PRODUCT CODE	SIZE
736.90 (Cap + Base)	90DN
736C.90 (Cap only)	
136.1505 (Cap + Base)	150DN

## Stormline® - Large Diameter Moulded Fittings

### PLAIN BEND 45° F & F



PRODUCT CODE	SIZE
701M.175.45	● 175 x 45°
701A.225.45	● 225 x 45°
701A.300.45	● 300 x 45°
701A.375.45	● 375 x 45°

### PLAIN BEND 90° F & F



PRODUCT CODE	SIZE
701M.175.90	● 175 x 90°
701A.225.90	● 225 x 90°
701A.300.90	● 300 x 90°
701A.375.90	● 375 x 90°

### PLAIN JUNCTION 45° F & F



PRODUCT CODE	SIZE
704M.175.45	● 175 x 175 x 45°
704A.225.45	● 225 x 225 x 45°
704A.300.45	● 300 x 300 x 45°

### PLAIN JUNCTION 90° F & F



PRODUCT CODE	SIZE
704M.175.90	● 175 x 175 x 90°
704A.225.90	● 225 x 225 x 90°
704A.300.90	● 300 x 300 x 90°

### REDUCING JUNCTION 45° M & F



PRODUCT CODE	SIZE
704M.175.100.45MF	● 175 x 100 x 45°
704.175.150.45MF	● 175 x 150 x 45°
704A.225.150.45*	● 225 x 150 x 45°

\*FF Socket

### COUPLER - Slip Coupler



PRODUCT CODE	SIZE
710M.175	● 175
710M.225	● 225
710A.225	● 225
710A.300	● 300

### LEVEL INVERT REDUCER



PRODUCT CODE	SIZE
723M.175.150*	● 175 x 150
723M.225.100	● 225 x 100
723A.225.150	● 225 x 150
723M.225.175	● 225 x 175
723A.300.150	● 300 x 150
723M.300.175	● 300 x 175
723A.300.225	● 300 x 225

\*Fabricated fitting

### PUSH ON CAP



PRODUCT CODE	SIZE
737M.175	● 175
737A.225	● 225
737A.300	● 300

### REDUCING JUNCTION 90° F & F



PRODUCT CODE	SIZE
704M.175.150.90FF	● 175 x 150 x 90°

- Fittings have a tapered socket and are designed for above ground use. Marley recommends the use of Marley Solvent Joint Primer in conjunction with Marley Gold Solvent. Prolonged exposure to UV light can result in some loss of impact strength although changes are minor and should not reduce the systems long term performance. Additional protection can be added by painting with an acrylic paint.
- Fittings have a parallel socket and should be joined with Primer and gap filling cement. If installed above ground, it is recommended to paint the fittings with a light coloured acrylic paint.

### GAP FILLING JOINTING (For parallel & clearance fit joints)



PRODUCT CODE	DESCRIPTION
CF1000GF	GAP FILLING PRIMER RED
GF1000C	GAP FILLING CEMENT CLEAR(TYPE G)

Primer to Cement ratio = 1:2 (approx.)

For SDS documents and uPVC Chemical Resistance Charts visit [www.marley.co.nz](http://www.marley.co.nz).

Note: Chemical resistance charts are a guide only for the compatibility of various chemicals

## Manufacturers

### Marley New Zealand Limited

- › 32 Mahia Rd, Manurewa, Auckland – New Zealand
- › 0800 627539
- › [www.marley.co.nz](http://www.marley.co.nz)
- › [info@marley.co.nz](mailto:info@marley.co.nz)
- › NZBN: 9429038863431

### Vinidex

- › 288 Woodpark Road, Smithfield, NSW 2164, Australia
- › [www.vinidex.com.au](http://www.vinidex.com.au)
- › [info@vinidex.com.au](mailto:info@vinidex.com.au)

## Relevant Building Code Clauses

Stormline® uPVC pipe and fitting system when used, installed, and maintained in accordance with the requirements outlined in this document will meet or contribute to meeting the following New Zealand building Code Clauses:

- › NZBC Clause B2: Durability – No less than 50 years durability
- › NZBC Clause E1: Surface Water – Meets the requirements
- › NZBC Clause F2: Hazardous Building Materials – Meets this requirement and will not present a health hazard when handled correctly

## 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).

The range is manufactured in accordance with AS/NZS 1254-PVC-U pipes and fittings for stormwater and surface water application, however certain exceptions may apply to individual fittings in particular if they have been sourced internationally.

Pipes and fittings produced in NZ that comply with AS/NZS Standard, hold a Bureau Veritas license to demonstrate compliance.

### Solvent cement, and primers comply with the following standards:

- › AS/NZS 3879 – Solvent cements and priming fluids for (PVC-U and PVC-M) and ABS and ASA pipes and fittings

## Limitations on the use

The Stormline® system is used to transfer stormwater to council services in a non-pressure application.

## Design

When designing a stormwater system ensure correct sizing based on the calculation of volume for the site, correct gradients are used to ensure the removal of the water, correct bedding, and backfilling for underground pipes as per NZBC Clause E1/AS1.

## Installation

All Stormline® uPVC pipes and fittings shall be installed to the manufacturing installation procedures and guidelines and follow all NZBC requirements.

### Health & safety

When Solvent Joints are being made, follow the below safety precautions:

- › Make sure there is adequate ventilation. Forced ventilation may be necessary inside buildings, in confined trenches and manholes
- › Solvent cement and priming fluids are highly flammable, store them in a cool place away from heat, flames, and sparks. Do not smoke while using them.
- › Keep the containers tightly sealed when not in use.
- › Do not add thinners or solvents to Marley Primer.
- › Do not use old solvent cement that has become jelly like or expired.
- › Do not use dirty or contaminated brushes or rags.

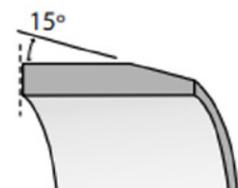
Solvent cement spilt onto skin should be washed off immediately with soap and water. Should solvent cement affect the eyes, flush with cool clean water for at least 15 minutes. If solvent cement or primer is swallowed, induce vomiting. Safety and First Aid instructions on the container should be followed.

Wash hands thoroughly after use.

### Joining

For DN90 and DN100 Rubber ring joint and Solvent jointing procedures refer to [Joining Procedures](#).

For DN150 and larger Stormline® pipes an encapsulated sealing ring is used:



Inspect the spigot, socket and seal for damage and remove any dirt or dust prior to assembly. Chamfer the spigot end and remove all burrs.



Apply Marley Joint Lubricant to the spigot end and immediately bring it into contact with the socket.



Align spigot and socket, and slide the spigot into the pipe, past the seal.

## Handling & Storage

Handling and storage on-site of all materials supplied by Marley New Zealand Limited, is under the control of the licensed and registered plumber or drainlayer.

Pipes should not be stored in direct sunlight for longer than 12 months without a cover. Black plastic should be avoided as it can create excessive heat build-up.

Care must also be taken to avoid surface damage to the pipes and fittings.

## Maintenance

Once the Stormline® system is correctly installed to the manufacturers installation procedures and guidelines there should be no specific maintenance requirements other than visual checks on the pipe and fittings to ensure no damage has occurred. For installations where fittings have been painted to protect against UV an annular check to verify the condition of the paint should be carried out.

## Warning and/or Bans

Stormline® stormwater systems are not subject to any warnings or bans.