

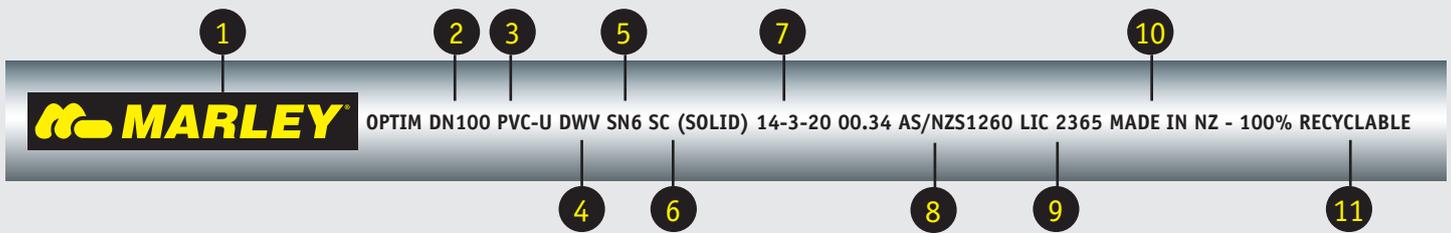


BUY A PIPE YOU CAN TRUST

Don't risk your reputation by specifying or installing anything less.

The Marley OPTIM DWV System is manufactured to the AS/NZS1260 Product Standard

We have had enquires from plumbers, drainlayers and industry professionals asking us to provide some detail on why our adherence to the AS/NZ 1260 standard ("PVC-U pipes and fittings for drain,waste and vent) should matter to them.



THIS PRINT IS YOUR INSURANCE POLICY. IF YOU WANT DWV uPVC PIPE YOU CAN TRUST AND TRACE THEN MAKE IT MARLEY. WHAT THE PRINTING ON THE PIPE MEANS:

- 1 **Manufacturers Name or Trademark:** You need to know who made it. Choose a brand you can trust.
- 2 **Size:** DN100 makes the size easily identifiable to the customer.
- 3 **PVC-U:** Shows the material it is made from.
- 4 **DWV:** This shows it is designated for use in Drain, Waste and Vent applications.
- 5 **Class:** This details the Stiffness Rating. You need to know this rating for use in the correct buried application.
- 6 **SC (Solid):** Sandwich construction. This is still a solid wall pipe (not foam core) but is co-extruded.
- 7 **Date of Manufacture:** We all need to know when it was made if there are any issues. We also identify the time.
- 8 **Standard:** This indicates the standard the pipe is made to.
- 9 **Identification of Place of Manufacture:** Marley is certified to manufacture in our Auckland and Christchurch factories. This code lets you know our product is externally certified and which factory it was made in.

The above are requirements to meet the AS/NZS1260 standard. Marley also adds the following as added value.

- 10 **Made in NZ:** You know its made in New Zealand. Marley has been making quality uPVC pipe in New Zealand for over 30 years.
- 11 **Recyclable:** Marley uPVC is 100% recyclable and we recycle all manufactured waste uPVC on site. Marley is also certified to meet BEP criteria. This means our uPVC products meet the Green Building Council's Best Practice guidelines for PVC in the built environment.



MARLEY OPTIM® DWV FITTINGS – PROVEN RELIABILITY

Marley rigorously tests its DWV fittings to maintain its external certification and internal quality standards. Some examples of testing we carry out from the AS/NZS 1260 standard are:

- **Socket**
If the socket dimensions fall outside the specified dimension then the fitting does not meet the standard. A socket that does not meet these requirements could potentially leak or prevent the joint being assembled.
- **Wall Thickness**
We make sure all our fittings comply with the wall thickness requirements through systematic internal checking processes. A failure to meet these requirements can jeopardise the strength and longevity of the fitting.
- **High Temperature Stress Relief Test**
This test qualifies that the fitting is manufactured to maintain its integrity when subjected to hot waste water and meets durability requirements. A failure can have extreme consequences for any building.
- **Dimensions for Sweep Junctions and Bends**
Clause 5.4.2 This requirement ensures that there is sufficient sweep in the bend to allow acceptable flow of wastewater. Non compliance with this could cause blockages.

Marley also hold the following to back up the quality of its uPVC pipes and fitting:

Marley has Third Party Product Certification: Our test processes and results are independently audited by Bureau Veritas on a regular basis under their License numbers 2365 and 2685 (Christchurch).

Marley Laboratory IANZ accreditation: We tests all our pipes and fittings in our IANZ accredited laboratory. IANZ is a New Zealand accreditation body specialising in laboratory accreditation. An organisation that holds IANZ accreditation can have confidence in its processes and thereby provide assurance to its customers and clients. **What this means to you is you know our results can be trusted.**

Marley has ISO 9001: This is an internationally recognised quality management system. This means that Marley commits to look closely at their processes so that they can ensure consistent high quality.

Marley has ISO 14001: This is an international standard developed by the International Organization for Standardisation (ISO) to enable an organisation of any type or size to develop and implement an environmental management system.

DWV (Drain, Waste and Vent) system transports harmful waste water from a home or building to the sewer network. Our Marley OPTIM uPVC Pipes and Fittings make up a system that forms an essential service in the operating health of every home and building in New Zealand and we take this responsibility very seriously.

INSIST ON MARLEY OPTIM® DWV SANITARY SYSTEMS

Don't risk your reputation by installing anything less.