



EDOBURG

PVC-U Drain, Waste & Vent (DWV) Piping Systems

Australia & New Zealand
Compliant with AS/NZS 1260:2017

About Edoburg

Edoburg is a structured, multi-category global supplier of certified infrastructure materials, serving contractors, distributors, and institutional buyers across regulated global markets. A division of **Edoburg Downes Pvt. Ltd.**, the company operates with a clear focus on tested quality, export compliance, and long-term delivery consistency.

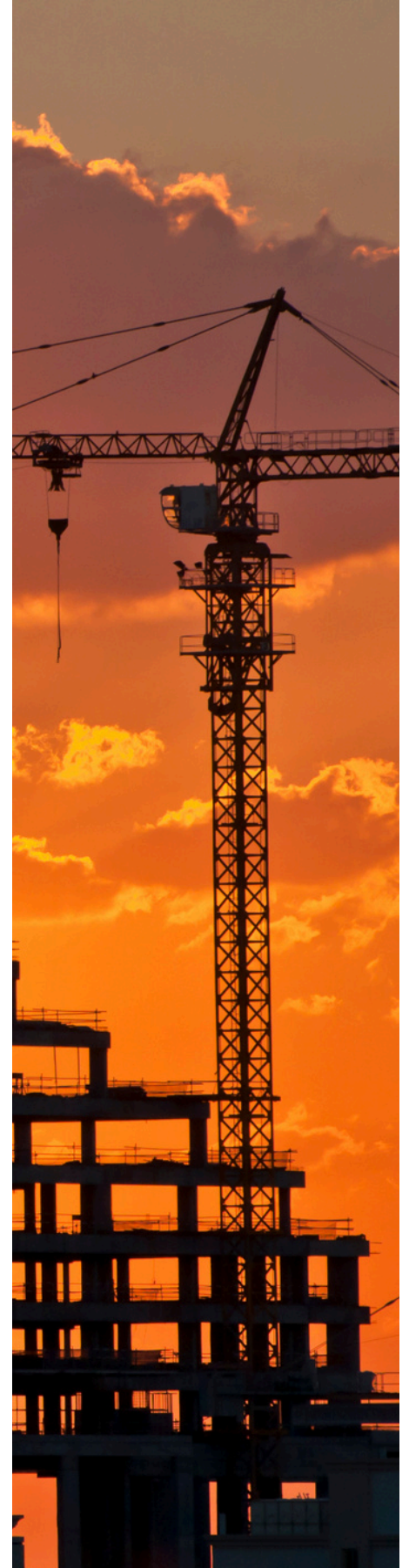
Our product portfolio spans over 10,000 SKUs across a wide range of categories including plastic piping systems, thermoplastic and composite pipelines, metal pipes and sections, drainage and utility systems, industrial components, and specialized engineered solutions for global projects.

All Edoburg-supplied products are manufactured in audited facilities and conform to international standards such as ASTM, CSA, ISO, IS, AS/NZS, and EN, depending on the target market. Each order is backed by full documentation support — including batch test reports, packing lists, Certificates of Origin, and private labelling when required.

We operate with export-ready processes, offering mixed container loads, low or no minimum order quantity, and market-specific packaging and compliance labelling. Our systems are designed to meet the expectations of professional buyers who require traceability, repeatability, and standardization across multiple geographies.

With clients across North America, Europe, the Middle East, Africa, and Asia-Pacific, Edoburg is positioned as a dependable global supplier — combining technical competence with structured commercial execution.

We don't just deliver material. **We supply what builds.**





Properties and Technical Sheet

PVC-U Drain, Waste & Vent (DWV) Piping Systems

Standards: **Conforms to AS/NZS 1260:2017 & WaterMark certification.** (Product Origin: India)

Joint Types: Solvent Cement Joint (SCJ) and Rubber Ring Joint (RRJ)

Product Overview

Product Category: Unplasticised Polyvinyl Chloride (PVC-U) solid wall pipes and fittings designed for non-pressure underground drainage, waste, and vent applications in residential, commercial, and infrastructure projects.

Standards Compliance: All products are dimensionally and mechanically compliant with AS/NZS 1260:2017 - PVC-U Pipes and Fittings for Drain, Waste and Vent Applications.

Pipe and Fitting Range

Product Type	Nominal Sizes (DN)	Stiffness Rating	Joint Type	Length	End Type
DWV Pipes (SCJ)	DN 32 – DN 315	SN4, SN6, SN8	Solvent Cement Joint	6.0 m	Plain-End with Solvent Socket
DWV Pipes (RRJ)	DN 100 – DN 315	SN4, SN6, SN8	Rubber Ring Joint	6.0 m	Integral Rubber Ring Socket
DWV Fittings	DN 100, DN 150	As per fitting specification	SCJ / RRJ compatible	-	Socket / Spigot

Note: Pipes are supplied in white or light grey in accordance with AS/NZS colour coding for DWV systems.

Material Properties

Property	Value / Description
Base Material	Unplasticised Polyvinyl Chloride (PVC-U)
Density	1.38 – 1.45 g/cm ³
Vicat Softening Point	≥ 76°C
Maximum Service Temperature	60°C (non-pressure, gravity flow)
Thermal Expansion Coefficient	-0.06 mm/m/°C
Resistance to Acids & Alkalis	Excellent
UV Resistance	Good with suitable additives or covered installation
Flame Resistance	Self-extinguishing
Surface Finish	Smooth, free from scale, pitting, or voids

Dimension of DWV Pipe

PVC-U DWV Pipes – SCJ (Solvent Cement Joint)

Standard: AS/NZS 1260:2017

Joint Type: SCJ

DN (Nominal Size)	Stiffness Rating (SN)	Length (m)
DN 32	–	6
DN 40	–	6
DN 50	–	6
DN 65	–	6
DN 80	–	6
DN 100	SN 6	6
DN 150	SN 4	6
DN 175	SN 4	6
DN 225	SN 4	6
DN 225	SN 8	6
DN 300	SN 4	6
DN 300	SN 8	6

PVC-U DWV Pipes – SCJ (Solvent Cement Joint)

Standard: AS/NZS 1260:2017

Joint Type: SCJ

DN (Nominal Size)	Stiffness Rating (SN)	Length (m)
DN 100	SN 6	6
DN 150	SN 4	6
DN 150	SN 8	6

Product Origin: Manufactured in India. Supplied by Edoburg Downes Pvt. Ltd., a global export supplier operating under AS/NZS 1260:2017 compliance protocols.

New Zealand: This product is compliant with New Zealand Building Code Clause G13 (Foul Water) as referenced under G13/AS1 via AS/NZS 1260:2017 for PVC-U drain, waste, and vent systems.

Australia: This product is compliant with the Plumbing Code of Australia (PCA) as referenced under AS/NZS 1260:2017 for PVC-U non-pressure DWV systems.

Jointing Methods – Technical Specification Sheet

PVC-U DWV Pipes & Fittings | AS/NZS 1260:2017

PVC-U DWV systems from Edoburg are engineered to support both Solvent Cement Joint (SCJ) and Rubber Ring Joint (RRJ) connections in compliance with AS/NZS 1260:2017. These jointing methods ensure flexibility during installation and consistent watertight performance under gravity-driven conditions.

1. Solvent Cement Joint (SCJ)

Application: Used for permanent joints in standard drainage networks. Ideal for tight installation zones where rigid alignment is required.

Key Characteristics:

- Joint Strength: Achieves full strength in 24 hours (ambient 20°C).
- Seal Integrity: Fusion bond achieved by chemical welding ensures leak-free joints.
- Installation Tolerance: Minor misalignment tolerance; requires proper surface preparation.
- Pipe Sizes Supported: DN 32 to DN 315 (SCJ variant).

Installation Notes:

- Pipe spigots and socket interiors must be clean and dry.
- Use Australian standard Type N solvent cement and compatible primer.
- Insert pipe with a ¼-turn twist to evenly spread adhesive.

2. Rubber Ring Joint (RRJ)

Application: Preferred in long-run installations or where soil settlement or pipe movement may occur. Ideal for semi-flexible alignment in trench-laying.

Key Characteristics:

- Flexibility: Accommodates thermal expansion and soil movement.
- Seal Mechanism: Elastomeric ring compressed within socket groove.
- Reusability: Joint can be re-assembled during field adjustment.
- Pipe Sizes Supported: DN 100 to DN 375 (RRJ variant).

Installation Notes:

- Use lubricant (approved for potable and waste applications) on the spigot and rubber ring.
- Align pipe axis and insert using axial force only—avoid angular misfit.
- Ensure insertion depth matches witness mark on the pipe.

Site Installation & Inspection

Edoburg recommends that all pipe installation work be carried out in accordance with AS/NZS 2032 and AS/NZS 3500 plumbing codes. Proper trenching, bedding, and jointing methods are essential to maintain performance and product lifespan.

Testing & Quality Assurance

PVC-U DWV Pipes & Fittings | AS/NZS 1260:2017

All Edoburg PVC-U DWV pipes and fittings are batch-tested in accordance with AS/NZS 1260:2017 and are inspected prior to export to meet Australian drainage compliance and site durability standards.

Test Type	Standard/Test	Purpose
Dimensional Accuracy	AS/NZS 1260:2017 – Section 5	OD, wall thickness, socket fit
Hydrostatic Pressure	0.5 MPa for 1 hour	Confirms structural integrity
Impact Resistance	Cold drop test (Annex E)	Ensures site & transport durability
Thermal Reversion	150°C oven / 30 min	Checks dimensional stability
Water Tightness	Internal pressure – RRJ & SCJ joints	No leakage permitted
Vicat Softening Temperature	ISO 2507 \geq 76°C	Confirms heat resistance
Visual Inspection	AS/NZS 1260:2017 – Final QC	Surface finish, socket, traceability

Traceability & Documentation

- Permanent marking on every pipe:
 - AS/NZS 1260, SN Class, Joint Type, Batch No., Date Code
 - Every pipe carries laser-printed batch traceability including SN class, joint type, date code, and lot number in compliance with AS/NZS 1260 traceability requirements.
- Export Pack Includes:
 - Quality Certificate, Batch Test Reports, Certificate of Conformance

Handling and Storage

Proper Handling of Pipes



- **Avoid Drops and Impacts:** Do not drop, drag, or throw pipes during handling. Mechanical shocks can damage sockets, spigots, or cause microcracks.
- **Lifting:** Use padded slings or pipe tongs. Avoid chains or metal hooks that may score or gouge the surface.
- **Inspection on Receipt:** Examine pipes and fittings for visible cracks, deformation, or impact damage. Pay close attention to joint ends.

Storage of Pipes

PVC-U DWV pipes should be stored in a dry, shaded, and well-ventilated location. If outdoor storage is unavoidable, the following precautions must be strictly followed:



- **UV Protection:** Avoid prolonged exposure to direct sunlight. Cover stacks with UV-resistant tarpaulin ensuring air circulation is maintained.
- **Flat Surface Support:** Store pipes on flat, stable ground. Avoid uneven surfaces that could lead to sagging or deformation.
- **Socket Protection:** While stacking, alternate socket and spigot ends to distribute pressure and prevent warping or joint misalignment.
- **Stacking Height:** Do not exceed the recommended stacking height. Excess load may distort wall geometry and compromise socket sealing.
- **Rack Support:** For racked storage, ensure support intervals are not more than 900 mm (3 ft) apart to prevent bowing of pipes.

Safe Handling of Solvent Cement / Adhesive

When joining pipes using solvent cement (SCJ), always observe the following safety and operational procedures:

- Reseal containers immediately after use to prevent evaporation and thickening.
- Apply solvent cement in well-ventilated areas. Avoid inhaling vapors.
- Store adhesives in fireproof, tightly sealed containers, away from heat or ignition sources.
- Dispose of applicators, cloths, and gloves according to local hazardous waste (HAZMAT) regulations.
- If adhesive contacts skin or eyes, rinse immediately with clean water for at least 15 minutes and seek medical advice if irritation persists.

Note: Improper handling may affect joint integrity and project safety. Always follow local code.



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