



WaterMark



Certified Product
Australian Standard

EDOBURG

PVC-U Pressure Piping Systems

Australia & New Zealand

Compliant with AS/NZS 1477 (Series 1)

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.

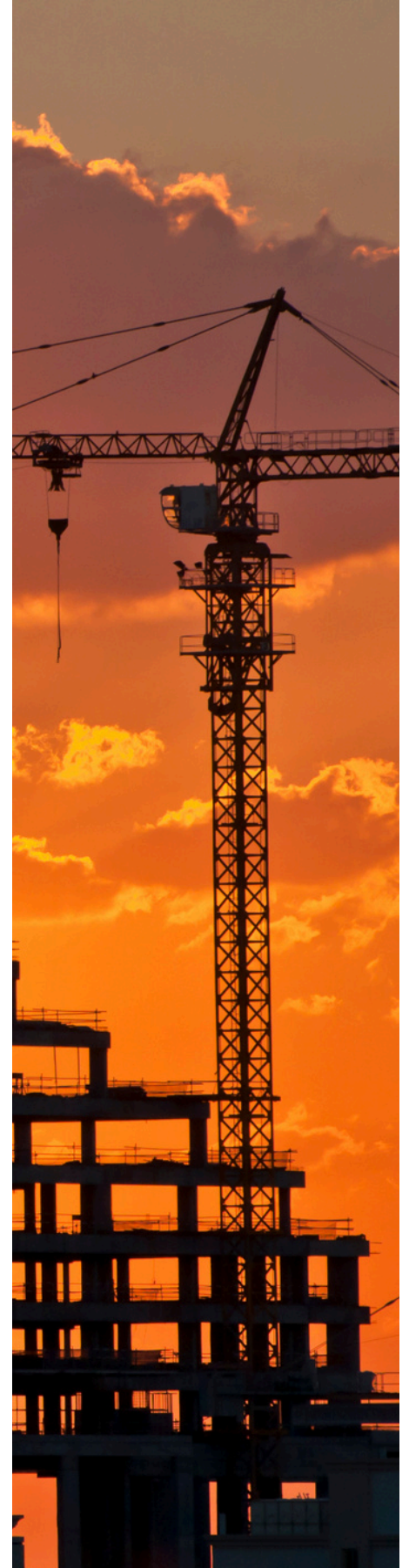
Our product portfolio spans over 10,000 SKUs across a wide range of categories including plastic piping systems, thermoplastic and composite pipelines, metal pipes and sections, drainage and utility systems, industrial components, and specialized engineered solutions for global projects.

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 Pressure Piping Systems

Standard: AS/NZS 1477 – Series 1 (Solvent Weld Joint Only)
Manufacturing Origin: India

Nominal Size (DN)	Mean OD (mm)	Pressure Classes Available (PN)	Standard Lengths	End Type
DN 15 – DN 150	24.1 – 160.3	PN 6, PN 9, PN 12, PN 18	3 m, 5.8 m, 6 m	Solvent Weld Socket

Note: PN 4.5 available for select sizes (e.g., DN 65–DN 150) on request.

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 Operating Temperature	60°C
Thermal Expansion Coefficient	-0.06 mm/m/°C
Flame Resistance	Self-extinguishing
UV Resistance	Good (covered installation recommended)
Chemical Resistance	Excellent (to most acids, bases, salts)
Surface Finish	Smooth internal bore, free from voids or pits
Colour Options	White (standard); Custom on request
Pressure Rating Range	PN 4.5 to PN 18 (depending on size and thickness)

Additional Notes

- PVC-U pipes under AS/NZS 1477 are intended for above-ground and buried pressure applications in residential, civil, and agricultural sectors.
- Solvent cement joints must be made using an AS/NZS compliant adhesive, ensuring proper bonding time and curing conditions.
- Pipes are dimensionally compatible with AS/NZS-compliant PVC-U fittings and accessories.

New Zealand: This product is compliant with New Zealand Building Code Clause G12 (Water Supplies) as referenced under G12/AS1 via AS/NZS 1477 – Series 1.

Australia: This product is compliant with the Plumbing Code of Australia (PCA) as referenced under AS/NZS 1477 – Series 1 for PVC-U pressure piping systems.

Dimension of PVC-U Pressure Pipe

PVC-U Pressure Pipe Dimensions (AS/NZS 1477 – Series 1)

Standard: AS/NZS 1477 - Series 1
Joint Type: Solvent Weld

(Product Origin: India)

Nominal Size (DN)	Mean OD (mm)	Wall Thickness (mm) as per Pressure Ration (BAR)									
		PN 4.5		PN 6		PN 9		PN 12		PN 18	
		Wall	ID	Wall	ID	Wall	ID	Wall	ID	Wall	ID
DN 15	24.1	-	-	-	-	-	-	1.5	18.30*	1.8	17.8
DN 20	26.8	-	-	-	-	-	-	1.5	23.7	2.2	22.4
DN 25	33.6	-	-	-	-	1.5	30.5	1.9	29.8	2.7	28.1
DN 32	42.3	-	-	-	-	1.9	38.5	2.4	37.5	3.4	35.4
DN 40	48.3	-	-	1.5	45.2	2.1	44.1	2.7	42.8	3.9	40.5
DN 50	60.4	-	-	1.8	56.8	2.6	55.2	3.3	53.7	4.9	50.5
DN 65	75.4	1.7	72	2.2	71	3.2	68.9	4.2	67	6.1	63.2
DN 80	88.9	2	84.9	2.6	83.7	3.8	81.3	4.9	79	7.1	74.6
DN 100	114.3	2.5	109.3	3.2	107.8	4.8	104.6	6.3	101.7	9.1	96
DN 125	140.2	3	134.1	4	132.2	5.9	128.4	7.6	124.9	-	-
DN 150	160.3	3.4	153.4	4.5	151.3	6.7	146.9	8.8	142.7	12.8	137.7

Additional Notes:

- ID = Internal Diameter; OD = Outside Diameter; Wall = Wall Thickness.
- PN12 sometimes marked as PN 15 in local usage.
- Standard Lengths: 3 m, 5.8 m, or 6 m.
- Color: White (standard) or as per customer requirement.
- Joint Type: Solvent Weld.

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 G12 (Water Supplies) as referenced under G12/AS1 via AS/NZS 1477 – Series 1.

Australia: This product is compliant with the Plumbing Code of Australia (PCA) as referenced under AS/NZS 1477 – Series 1 for PVC-U pressure piping systems.

Handling and Storage

Proper Handling of Pipes



- **Lifting:** Use wide slings or padded pipe tongs for lifting. Avoid using chains, metal hooks, or forklifts without fork covers that may score or gouge the pipe surface.
- **Avoid Mechanical Impact:** Do not drop, throw, or drag pipes. Sudden impacts can cause microcracks, joint damage, or internal stress points.
- **Secure Transport:** During transit, ensure pipes are firmly secured to prevent shifting, rolling, or socket damage. Use padding and tie-downs appropriately.

Storage of Pipes

PVC-U Pressure Pipes must be stored in a dry, shaded, and well-ventilated location. If outdoor storage is unavoidable, the following best practices must be followed to maintain product integrity:



- **UV Protection:** Shield from direct sunlight using UV-resistant tarpaulin or sheeting. Ensure ventilation is maintained to prevent heat buildup.
- **Flat Surface Storage:** Pipes must rest on a flat, stable surface. Uneven storage areas may lead to sagging, ovality, or misalignment of sockets.
- **Stacking Alignment:** When stacking, alternate spigot and socket ends to distribute load evenly and avoid deformation of socket geometry.
- **Stacking Height Limit:** Do not exceed recommended stack heights. Excessive weight can distort pipe roundness and compromise sealing surfaces.
- **Rack Spacing:** When using pipe racks, provide support at intervals of not more than 900 mm (3 ft) to prevent bending or bowing.
- **Inspection on Delivery:** Inspect all pipes and fittings immediately upon receipt. Check for any damage, deformation, or cracks—especially at the joint ends.

Safe Handling of Solvent Cement / Adhesive

When joining PVC-U Pressure Pipes using solvent cement, observe the following health and safety precautions:

- **Ventilation:** Always apply solvent cement in well-ventilated spaces. Avoid inhaling vapours; use personal protective equipment if needed.
- **Container Care:** Reseal containers immediately after use to prevent solvent evaporation and product thickening.
- **Storage of Adhesives:** Keep adhesive products in tightly sealed, fire-resistant containers. Store away from open flames, direct sunlight, or heat sources.
- **Disposal:** Dispose of used applicators, gloves, and cleaning cloths in accordance with local hazardous material (HAZMAT) disposal regulations.
- **First Aid:** In case of skin or eye contact, flush thoroughly with clean water for at least 15 minutes. Seek medical attention if symptoms persist.

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



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