



uPVC Underground Drainage Piping Systems

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.

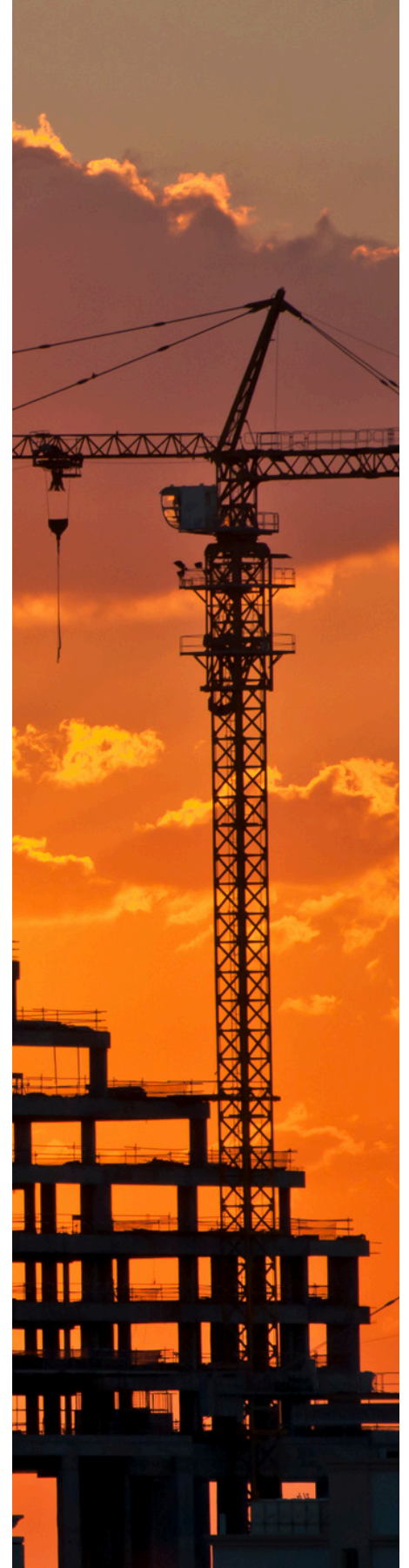
Our product portfolio spans over 10,000 SKUs across a wide range of categories including plastic piping systems, thermoplastic and composite pipelines, metal pipes and sections, drainage and utility systems, industrial components, and specialized engineered solutions for global projects.

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.**





EDOBURG

SUPPLY WHAT BUILDS



uPVC Underground Drainage Pipe & Fittings

Why Edoburg uPVC Underground Drainage Systems?

Edoburg uPVC Underground Drainage Pipes and Fittings are designed for long-lasting, maintenance-free performance in underground sewerage and non-pressure drainage applications. Manufactured from lead-free, virgin uPVC compound and conforming to IS 15328 and EN 1401-1, our underground range ensures safe, efficient, and durable discharge of domestic, institutional, and industrial effluents.



Lead-Free & Non-Toxic

Safe for underground installations—no leaching, contamination, or health hazards from buried piping.



High Flow Efficiency

Optimised inner surface ensures low flow resistance, improving drainage speed and reducing blockages.



Cost Effective

Lightweight and easy to install, enabling lower transportation and labour costs in underground works.



Long Life & Corrosion-Free

Highly resistant to rust and corrosion, even in aggressive soil conditions or chemical-laden discharge zones.



Quick & Leak-Proof Jointing

Available in Elastomeric Ring and Solvent Weld options—ensuring watertight, root-resistant underground joints.



Application Ready

Supplied in SN2, SN4, and SN8 stiffness classes—ideal for residential, industrial, or heavy-load traffic installations.



Weather & UV Resistant

UV-stabilised and durable against soil movement, groundwater exposure, and prolonged burial.

Why Edoburg uPVC Underground Drainage Systems?



Fire Resistant

Edoburg uPVC underground pipes and fittings are self-extinguishing and do not sustain combustion, ensuring added safety during installation and long-term operation in enclosed or high-density project sites.



Good Chemical Resistance

Highly resistant to household and industrial discharges containing acids, alkalis, and salts. Ideal for underground systems exposed to aggressive chemical effluents or contaminated soils.



Good Corrosion Resistance

Internal Corrosion Resistance

Designed to withstand domestic and industrial wastewater, ensuring inner surface durability against greywater, organic waste, and contaminants.

External Corrosion Resistance

Inherently low thermal conductivity reduces surface condensation and limits thermal expansion—ensuring consistent performance in underground temperature fluctuations.



Low thermal conductivity

uPVC has inherently low thermal conductivity, helping to limit condensation on pipe surfaces and ensuring stable performance across seasonal temperature changes.



Secure, Leak-Proof Jointing

Supplied with Solvent Weld and Elastomeric Ring options for secure underground connections. Eliminates the need for heat or welding and provides long-lasting leak resistance.

Fields of Applications

Edoburg supplies “Lead Free” uPVC Underground Drainage Pipe Systems, designed for long-lasting, non-pressure discharge of soil and waste in residential, commercial, and public infrastructure. Pipes and fittings conform to IS 15328 and EN 1401-1 standards and are available in SN2, SN4, and SN8 ring stiffness classes with Elastomeric Sealing Ring and Solvent Joint options.



Wastewater discharge from toilets and floor traps



Commercial building drainage networks



Underground non-pressure drainage



Chemically exposed drainage zones



Highway and road stormwater drainage



Sanitary sewer networks



Industrial wastewater outflow



Rainwater collection & dispersion



Effluent and sludge handling

Properties of uPVC Underground Drainage Systems

uPVC Underground Drainage Pipes are noticeably lighter and less expensive than existing PVC pipes / concrete pipes. These pipes are interchangeable with solid wall pipes and are compatible with regular PVC fittings. We have introduced rubber and solvent fittings to offer a complete range of drainage piping systems.

Pipes

- 63 to 400 mm

Fittings

- 110 & 160 mm

Category	Size (mm)	Standard	End Connection
Pipes	SN 2: 160 to 400	IS 15328	Elastomeric Sealing Ring & Solvent Joint
	SN 4: 125 to 400		
	SN 8: 63 to 400		
Fittings	110 & 160	EN 1401-1	Elastomeric Sealing Ring & Solvent Joint

Features and benefits

- Leak proof
- Long life
- Anti-rodent
- Easy transportation, light in weight and easy in wet condition
- Fast and easy installation, even in wet conditions
- Resistance to abrasion, smooth bore pipes reduces the risk of blockage
- Good Impact resistance

Dimension of uPVC Underground Drainage Systems

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness					
			SN2 (SDR 51)		SN4 (SDR 41)		SN8 (SDR 34)	
	Minimum (mm)	Maximum (mm)	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
63	63	63.3	-	-	-	-	2.7	3.1
75	75	75.3	-	-	-	-	2.8	3.3
90	90	90.3	-	-	-	-	2.9	3.4
110	110	110.4	-	-	-	-	3.2	3.7
125	125	125.4	-	-	3.2	3.7	3.7	4.4
160	160	160.5	3.2	3.7	4	4.6	4.7	5.4
200	200	200.6	3.9	4.5	4.9	5.6	5.9	6.7
250	250	250.8	4.9	5.6	6.2	7	7.3	8.3
315	315	316	6.2	7	7.7	8.7	9.2	10.4
400	400	401.2	7.9	8.9	9.8	11	11.7	13.1

Properties of Cellular Core uPVC Underground Drainage Systems

An advanced drainage and sewerage solution, these multi-layer pipes are ideal for housing and government developments. While the outer and innermost layers give the pipe a great load bearing capacity, the middle layer provides firmness to the overall pipe structure. In short, better strength with a lighter weight as compared to solid wall PVC pipes.

Pipes

- 110, 125, 160, 200, 250 & 315 mm

Fittings

- 110, 160 & 200 mm

SN Class	Size (mm)	Standard	End Connection
SN 2	160, 200, 250, 315 (Non ISI)	IS 16098 (Part 1)	Elastomeric Sealing, Ring Joint & Solvent Joint
SN 4	110, 125, 160, 200, 250, 315		
SN 8			

Features and benefits

- Lighter than solid wall UPVC pipe yet strong
- Easy for underground installations
- Available in long length of 6 meter so minimum joints ensuring less chances of leakage
- Compatible with other drainage & sewerage products
- Long life due to improved strength
- Cost saving
- Easy to install
- Anti rodent

Dimension of Cellular Core uPVC Underground Drainage Systems

Nominal Size (Outside Diameter, dn)	Mean Outside Diameter, dem		Thickness of Inside Layer, e ₄
(mm)	Minimum (mm)	Maximum (mm)	Minimum (mm)
110	110	110.4	0.4
125	125	125.4	0.4
160	160	160.5	0.5
200	200	200.6	0.6
250	250	250.8	0.7
315	315	316	0.8

Handling and Storage

Proper Handling of Pipes



Please inspect all uPVC Underground Drainage Pipes and fittings upon receipt. Check for cracks, deformation, or damage at the joint ends due to mishandling or transport.



Edoburg's uPVC Drainage Pipes are engineered for underground installation. Avoid dropping, dragging, or throwing pipes from vehicles or loading platforms. Prevent sharp impacts, point loads, or excessive bending, as these can compromise structural integrity and sealing performance.

Storage of Pipes

uPVC Underground Drainage Pipes should be stored in a dry, shaded, and well-ventilated area. If storage outdoors is necessary, ensure the following precautions:



- Protect from direct and extended exposure to UV rays to prevent surface degradation.
- • Always store pipes on a flat surface to avoid deformation, ovality, or socket misalignment.
- • While stacking, alternate socket directions and provide uniform support along the length.
- • Do not exceed recommended stacking height, as pipe wall strength must be preserved.
- • If pipe racks are used, maintain support spacing of less than 3 ft (900 mm) to prevent sagging over time.

Safe Handling of Solvent Cement / Adhesive

When applying adhesives or joining compounds for Edoburg's Solvent Joint pipes, follow these safe practices:

- Immediately reseal adhesive containers to prevent evaporation or hardening.
- • Ensure application in a well-ventilated space to minimize vapor concentration.
- • Store all solvents in tightly sealed, fireproof containers away from heat or ignition sources.
- • Dispose of applicators, gloves, and cloths as per local HAZMAT regulations.
- • If contact with skin or eyes occurs, rinse with water for at least 15 minutes. Seek medical help if irritation continues.

Edoburg uPVC Underground Drainage Pipes are designed for durability and long-lasting performance. Improper handling may affect joint integrity and project safety. Always follow local code and Edoburg's installation guidelines.



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