EDOBURG

Borewell Systems

GLOBAL CATALOGUE

About Edoburg

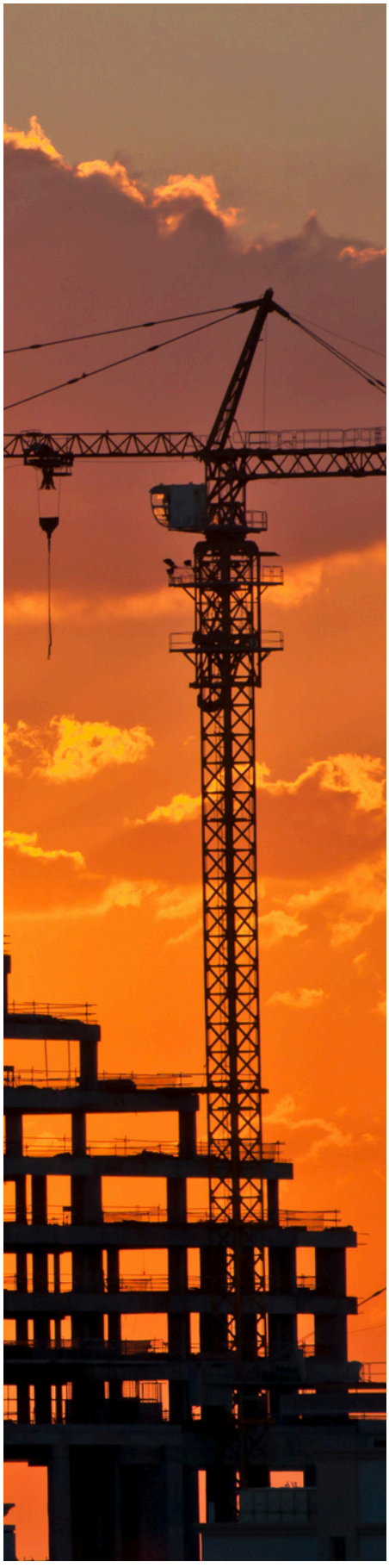
Edoburg is a structured, multi-category global supplier of certified infrastructure materials, serving contractors, distributors, and institutional buyers across regulated global markets. A division of ***Edoburg Downes Pvt. Ltd.***, the company operates with a clear focus on tested quality, export compliance,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

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Why Edoburg Borewell Systems?

Edoburg Borewell Systems are supplied through certified production partners and are designed to deliver safe, reliable performance in deep groundwater extraction. Made from lead-free uPVC and conforming to relevant quality standards, these systems offer excellent resistance to hydrostatic pressure, soil corrosion, and chemical exposure. Preferred by pump installers, water infrastructure contractors, and agricultural users, Edoburg's borewell piping solutions combine strength, longevity, and ease of installation for demanding sub-surface applications.

Manufactured from Lead-Free uPVC
Edoburg Borewell Systems use uPVC that is 100% lead-free, non-toxic, and compliant with international safety and potable water standards—making them ideal for groundwater extraction.

High Strength & Long Life
Edoburg casing and column pipes are engineered for high tensile and impact strength. They can withstand heavy pump loads and high water pressure over deep bore installations, ensuring long operational life.

Corrosion & Chemical Resistant
Our systems are inert to acidic and alkaline groundwater conditions and immune to electrochemical reactions, unlike metal alternatives which rust or degrade over time.

Superior Joint Reliability
Pipes are supplied with precision-threaded joints (square or trapezoidal) to ensure leak-proof performance, easy installation, and strong pump suspension across varying depths.

Lightweight, Easy to Install
uPVC column and casing pipes are lightweight compared to metal pipes, enabling faster installation, reduced labour effort, and cost savings in borewell deployment.

Dimensional Accuracy
Each pipe undergoes strict quality checks for OD/ID tolerance, socket alignment, and threading quality—ensuring trouble-free pump alignment and vertical integrity during deep installation.

Available in Standard Classes

- Edoburg Borewell Pipes are available in multiple pressure classes and configurations:
- Casing Pipes: Plain, Ribbed, Slotted – CS, CM, and Shallow
- Column Pipes: Regular, Medium, Standard, Heavy Duty – 1″ to 4″
- Complies with IS 12818

Fields of Applications

Edoburg Borewell Systems are engineered for vertical water extraction and underground aquifer access across a range of environments. Their structural strength, non-corrosive properties, and leak-proof threading make them suitable for long-term submersible pump use in variable soil and hydrostatic conditions.

Domestic Wells
Ideal for residential borewells, providing long-term performance with corrosion-free water transport.

Agricultural Water Supply
Used extensively in farm irrigation setups, where durable and chemically inert piping ensures uninterrupted water access.

Industrial Groundwater Extraction
Suitable for factories and plants that depend on borewell water as part of process or utility usage.

Rural Water Infrastructure Projects
Widely adopted in government and NGO-led rural water supply schemes for community-level implementation.

Commercial Buildings & Institutions
Used in commercial borewell systems in hotels, hospitals, schools, and office complexes for primary or backup water supply.

Municipal Water Programs
Integrated into local water board borewell schemes and public groundwater access projects.

Properties of Borewell Systems

Designed to be used in borewell applications, these piping systems are made from a high-quality PVC compound that ensures they have high tensile strength, can withstand high impact and have minimum water friction. What makes them even more unique is the CIRCLIP locking system designed specially to withstand pressure during underground water extraction.

Screen Pipes
40 to 250 mm (1ó" to 10")

Casing Pipes
40 to 300 mm (1ó" to 12")

Rising Main Pipes
25 to 100 mm (1" to 4")

Bell Form Pipes - V4
25, 32, 40 mm (1", 1.", 1ó")

Pipes				
Pipes	Type	Size (mm)	Standard	End Connection
Screen Pipes	Ribbed Screen	40 to 250 (1½" to 10")	IS 12818	Threaded Joint
	Plain Screen - CM	100 to 250 (4" to 10")		
	Plain Screen - CS	100 to 250 (4" to 10")		
Casing Pipes	Casing Pipes - CM	40 to 300 (1½" to 12")		
	Casing Pipes - CS	100 to 250 (4" to 10")		
	Casing Pipes - CD	100 to 250 (4" to 10")		
Rising Main Pipes	V4 - Pipes	25 to 40 (1" to 1½")		
	Medium, Standard	25 to 100 (1" to 4")		
	Heavy Duty Pipes	32 to 100 (1¼" to 4")		
Bell Form Pipes	V4	25 ,32 ,40 (1", 1¼", 1½")	-	-

Features and benefits

- Easy to transport, store, handle and install.
- Saves labour & installation cost.
- Smooth bore ensures no clogging and higher flow compared to G.I. pipeline of the same size.
- Bore diameter remains constant, ensuring constant flow over lifetime.
- Superior resistance to most of the chemicals - no scaling makes the system almost maintenance-free.
- Long life.

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Dimensions of Medium Well Screen (RMS) & Deep Well Screen (RDS) Pipes with Ribs / Ribbed Screen Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Medium Well Screen (RMS)			Deep Well Screen (RDS)		
				Mean Outer Diameter over Connection, (d's')	Wall Thickness 'e' (under ribs) (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Max	Min	Max
40	1½	52	52.2	56	3.5	4	--	--	--
50	2	64	64.2	69	4	4.6	--	--	--
80	3	92	92.3	98	4	4.6	--	--	--
100	4	117	117.3	124	5	5.7	129	7	7.9
115	4½	129	129.3	--	--	--	141	7.5	8.5
125	5	144	144.4	154	6.5	7.3	156	8	9
150	6	169	169.4	182	7.5	8.5	184	9.5	10.7
175	7	204	204.5	219	8.8	9.8	221	11.8	13.6
200	8	229	229.5	247	10	11.2	251	13	14.8
250	10	284	284.5	302	12.5	14	309	16	17.6
300	12	334	334.6	356	14.5	16.2	363	19	21
350	14	404	404.7	432	17.5	19.5	437	21.5	23.9
400	16	454	454.8	483	19.5	21.7	494	23.5	26.1

Note: Pipes available with ISI mark except 400 mm.

Dimensions of Plain Medium Well Screen (PMS) & Plain Deep Well Screen (PDS) Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Plain Medium Well Screen (PMS)			Plain Deep Well Screen (PDS)				
				Mean Outer Diameter over Connection, (d's')	Wall Thickness 'e' (mm)		Outer Diameter at any point d'e' (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Min	Max	Max	Min	Max
200	8	225	225.5	243	10	11.2	224.5	225.8	247	13	14.8
250	10	280	280.5	298	12.5	14	279.4	280.8	304	16	17.6
300	12	330	330.6	352	14.5	16.2	329.3	331	359	19	21
350	14	400	400.7	428	17.5	19.5	399.2	401.2	433	21.5	23.9
400	16	450	450.8	479	19.5	21.7	449.1	451.3	490	23.5	26.1

Dimensions of Medium Well Casing (CM) & Shallow Well Casing (CS) Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Medium Well Casing (CM) Pipes			Shallow Well Casing (CS) Pipes		
				Mean Outer Diameter over Connection, (d's')	Wall Thickness 'e' (under ribs) (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Max	Min	Max
40	1½	48	48.2	52	3.5	4	--	--	--
50	2	60	60.2	65	4	4.6	--	--	--
80	3	88	88.3	94	4	4.6	--	--	--
100	4	113	113.3	120	5	5.7	--	--	--
125	5	140	140.4	150	6.5	7.3	--	--	--
150	6	165	165.4	178	7.5	8.5	174	5.7	6.5
175	7	200	200.5	215	8.8	9.8	211	7	7.8
200	8	225	225.5	243	10	11.2	238	7.6	8.8
250	10	280	280.5	298	12.5	14	292	9.6	11
300	12	330	330.6	352	14.5	16.2	--	--	--

Note: 32 mm (1¼") Nominal Diameter pipes are available on special request.

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Dimensions of Deep Well Casing (CD) Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe d 'em' (mm)		Outer Diameter at any point d'e' (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Min	Max	Max	Min	Max
100	4	113	113.3	112.8	113.4	125	7	7.9
115	4½	125	125.3	124.9	125.4	137	7.5	8.5
125	5	140	140.4	139.7	140.5	152	8	9
150	6	165	165.4	164.6	165.6	180	9.5	10.7
175	7	200	200.5	199.6	200.6	217	11.8	13.6
200	8	225	225.5	224.5	225.8	247	13	14.8
250	10	280	280.5	279.4	280.8	304	16	17.6
300	12	330	330.6	329.3	331	359	19	21
350	14	400	400.7	399.2	401.2	433	21.5	23.9
400	16	150	450.8	449.1	451.3	490	23.5	26.1

Specification of Safefit Submersible Delivery Pipes / Rising Main Pipes

Product OD - Outside Dia. ND - Nominal Dia. in mm			Pressure Kg/cm²	Safe total Pump Delivery Head (m)	Ultimate Breaking Load (Kg)	Safe Pulling Load (Kg)	Screen Colour	Pump's	STD Packing
Size in mm	Type	Category							
25 (1") OD-33.30 ND-25.00	Coupler	V4	12.5	125	850	500	Orange	V-3 & V-4	28
		V4	17	170	950	600	Purple	V-3 & V-4	
		Medium	22	220	1250	750	Green	V-4 & V-6	
		Std	30	300	1380	820	Red	V-4 & V-6	
		Std	38	380	1750	1100	Red	V-4 & V-6	
		Strong	8	80	550	320	Black	V-3 & V-4	
	Bell Form Coupler	V4	12.5	125	850	500	Orange	V-3 & V-4	28
		V4	17	170	950	600	Purple	V-3 & V-4	
		Strong	8	80	550	320	Black	V-3 & V-4	
32 (1¼") OD-42.10 ND-32.00	Coupler	V4	12.5	125	1350	800	Orange	V- 3 & V-4	20
		V4	17	170	1500	900	Purple	V- 3 & V-4	
		Medium	21	210	1725	1000	Green	V-4 & V-6	
		Std	30	300	2350	1400	Red	V-4 & V-6	
		Heavy	39	390	2900	1750	Blue	V-4 & V-6	
		Heavy +	48	480	3550	2130	Black	V-4 & V-6	
	Bell Form Coupler	V4	12.5	125	1350	800	Orange	V-4 & V-6	20
		V4	17	170	1500	900	Purple	V-3 & V-4	
		Std	30	300	2350	1400	Red	V-3 & V-4	
40 (1½") OD-48.20 ND-40.00	Coupler	V4	16	160	1850	1100	Purple	V-4 & V-6	16
		Medium	22	220	2400	1450	Green	V-4 & V-6	
		Std	26	260	2750	1650	Red	V-4 & V-6	
		Heavy	39	390	3700	2250	Blue	V-4 & V-6	
		Heavy +	48	480	3550	2130	Black	V-4 & V-6	
	Bell Form Coupler	V4	17	170	1965	1180	Purple	V-4 & V-6	

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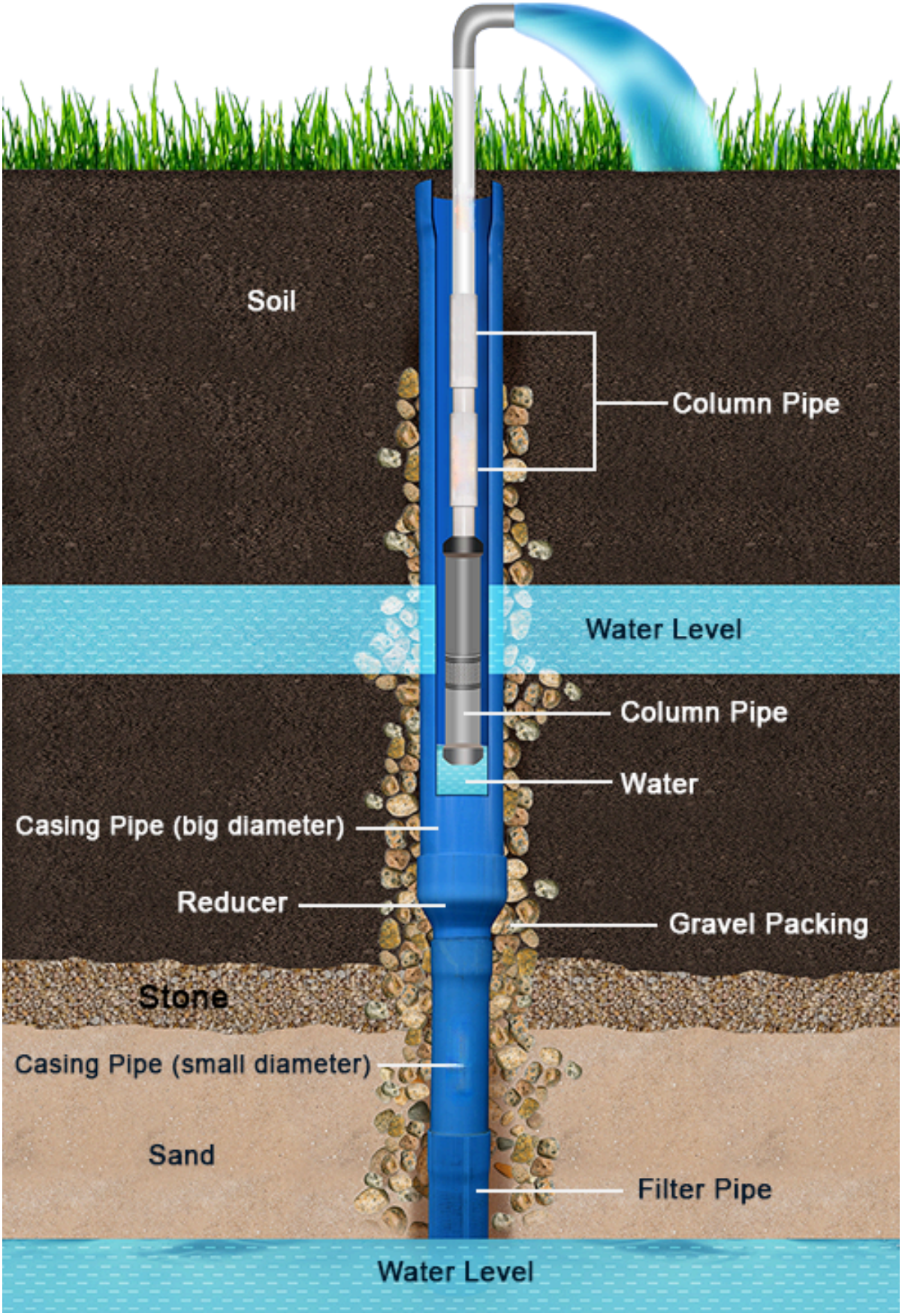
Specification of Safefit Submersible Delivery Pipes / Rising Main Pipes

Product OD - Outside Dia. ND - Nominal Dia. in mm			Pressure Kg/cm²	Safe total Pump Delivery Head (m)	Ultimate Breaking Load (Kg)	Safe Pulling Load (Kg)	Screen Colour	Pump's	STD Packing
Size in mm	Type	Category							
50 (2") OD-60.20 ND-50.00	Coupler	Medium	10	100	1750	1050	Green	V-4 & V-6	12
		Medium	14	140	2450	1450	Green	V-4 & V-6	
		Std	20	200	3500	2100	Red	V-4 & V-6	
		Heavy	27	270	4600	2800	Blue	V-4 & V-6	
		Heavy +	36	360	5700	3420	Black	V-4 & V-6	
65 (2½") OD-75.00 ND-65.00	Coupler	Medium	11	110	3100	1800	Green	V-6 & V-8	8
		Std	16	160	4500	2700	Red	V-6 & V-8	
		Heavy	26	260	6450	3900	Blue	V-6 & V-8	
80 (3") OD-88.00 ND-80.00	Coupler	Medium	11	110	4100	2450	Green	V-6 & V-8	6
		Std	17	170	6400	3800	Red	V-6 & V-8	
		Heavy	26	260	8900	5300	Blue	V-6 & V-8	
100 (4") OD-113.00 ND-100.00	Coupler	Medium	10	100	6500	3900	Green	V-6 & V-8	4
		Std	15	150	9250	5550	Red	V-6 & V-8	
		Heavy	26	260	14450	8700	Blue	V-6 & V-8	



Handling and Storage

Proper Handling of Pipes

Edoburg Borewell Pipes are precision-engineered to withstand submersible pump weight, deep well pressure, and vertical installation stress. Improper handling can compromise structural integrity or cause joint failure.

- Do not drop, drag, or strike the pipes during loading or unloading.
- Avoid placing weight or sharp objects on stacked pipes.
- Keep both threads and locking grooves free of dust and impact to ensure reliable assembly and sealing.
- Always carry and lower pipes vertically where possible to prevent deflection or end damage.
- Never overtighten joints beyond specified torque values.

Inspect all pipes and couplers upon delivery. Check for cracks, ovality, stripped threads, or socket deformities that may have occurred during transit or handling.

Storage of Pipes

Edoburg Borewell Pipes should be stored on flat, stable ground in a clean, shaded, and well-ventilated area. In case outdoor storage is necessary, the following precautions must be followed:

- Protect from direct and prolonged exposure to sunlight to reduce UV-induced brittleness.
- Store all pipes on a level surface to prevent warping or misalignment of threads and sockets.
- Stack pipes with alternating male and female thread ends to distribute weight evenly and avoid joint distortion.
- Follow the recommended stacking height to prevent loss of roundness and thread damage.
- If using racks for storage, maintain a spacing of less than 3 feet (900 mm) to avoid sagging or bending over time.

Safe Handling of Solvent Cement / Adhesive

In case your borewell system includes solvent joint riser pipes, ensure the following:

- Always reseal solvent cement containers after use to prevent evaporation.
- Use adhesives only in well-ventilated spaces to avoid inhaling vapors.
- Store adhesives in sealed, fire-resistant containers, away from open flames or heat.
- Dispose of contaminated applicators and cloths as per local HAZMAT regulations.
- If skin or eye contact occurs, rinse immediately with clean water for 15 minutes and seek medical advice if irritation persists.

Note: Most Edoburg Borewell Pipes use threaded or locked mechanical joints and may not require solvent adhesives unless specified.

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