

AN ISO 9001 : 2008 COMPANY



uPVC COLUMN PIPE & HDPE PIPE



A Promise for Strong



uPVC COLUMN PIPE



Product Advantages

STERLING Column pipes are very different materials; they share numerous advantages common to plastic piping systems. Advantage includes ease of installation, corrosion resistance, low friction loss, initial cost & longevity.

Easy Installation

STERLING Column pipes are light in weight (Approximately one-half the weight of aluminum and one-sixth the weight of steel) reducing transportation, handling and installation cost. Column pipe have smooth, seamless interior walls. No special tools are required for cutting. Column pipe materials can be installed without using the solvent cementing joining technique.

Freedom From Toxicity, Odors, Tastes

Sterling Column pipes are non toxic, odorless and tasteless. PVC pipes have been listed by the national sanitation foundation for use with potable water.

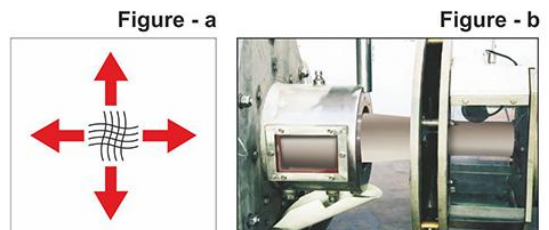
Maximum Benefit at Low Cost

Sterling column pipes are available in 3 meter length. Due to this required length of pipe can be installed on the basis of depth of availability of Water.

Biaxial Orientation for High Impact Strength

The substantial increase in strength properties, Which results from biaxial orientation is Shown by the stress rupture regression Line in figure-a

Sterling column pipes are manufacturing by Bi-Axial technology during extrusion process To occupy high impact strength thereby Any breakage in pipe is quite less is shown In figure-b

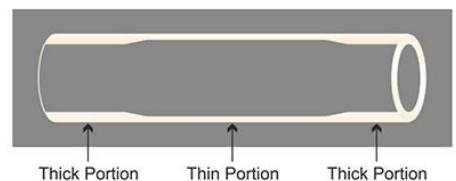


High Tensile Strength

Sterling column pipes are having high tensile strength. Hence, they do not reform even under deep installation. Therefore, life of pipe increases.

Thick & Thin

Sterling column pipes are manufactured with thick & thin technique to ensure the strength of pipe even at thread end too. Pipes end and barrel have specific thickness which improves the strength of pipes and same time save material consumption and thereby are cost effective.



Low Friction Loss

The smooth interior surfaces of Sterling Column pipes assure low friction loss and high flow rate. Additionally, since Sterling column pipe will not rust, pit, scale, or corrode, the high flow rate will be maintained for the life of the piping system.

Low Thermal Conductivity

Sterling Column pipe have a much lower thermal conductivity factor than metal pipe. Therefore, fluids being piped maintain a more constant temperature.

Corrosion free External and Internal

With many other pipe materials, slight corrosion may occur. The corroded particles can contaminate the pipe fluid, complicating further processing, or causing bad taste, odors or discoloration. This is particularly undesirable when the piped fluid is for domestic consumption. With Sterling column pipes there are no corrosive by products, therefore no contamination of the piped fluid.

Technical Specification for **Sterling** uPVC Column Pipe

Size	Outer diameter (In mm)	Maximum outside diameter (mm)	Pipe type	Maximum depth of installation (feet)	Safe total weight with chain pulley (kgs.)	Safe allowable hydro static pressure (kg/cm ²)
1" (25mm NB)	33.40 ± 0.13	51	Eco.	125	500	12
			Medium	300	750	17
			Standard	600	1300	30
1¼" (32mm NB)	42.16 ± 0.13	60	Eco.	125	800	12
			Medium	300	1100	15
			Standard	600	1500	25
1½" (40mm NB)	48.26 ± 0.15	68	Medium	250	1250	15
			Standard	600	1700	18
			Heavy	900	2000	25
2" (50mm NB)	60.20 ± 0.15	83	Medium	250	1500	14
			Standard	600	2100	21
			Heavy	900	2850	28
2½" (65mm NB)	76.10 ± 0.18	96	Medium	250	1900	10
			Standard	600	2700	17
			Heavy	900	4200	27
3" (80mm NB)	88.90 ± 0.20	111	Medium	200	2800	11
			Standard	500	4000	17
			Heavy	800	5700	26
4" (100mm NB)	114.30 ± 0.23	141	Medium	200	4100	10
			Standard	500	5700	15
			Heavy	800	9000	26

(Note : Technical Specifications are for reference and not forming a part of terms and conditions offered. It may vary within tolerance limits)

Square Thread

Sterling column pipes have specially designed square threaded both end of pipe as well as coupler therefore pulling load capacity is excellent even under deep bore wells.



Installation care



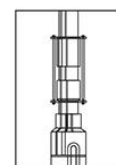
Clean pipe thread with pure water. Do not use oil / grease on thread.

Rubber Ring

Specially designed Rings are used for seal & grip which provides 100% leak proof system and also absorbs vibration of the pumps.



Use pump guard / bottom adaptor (male thread) with pump and tight adequately using chain wrench.

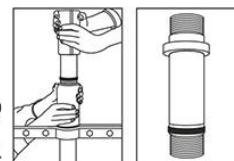


Fit male thread pipe immediately after pump guard / bottom adaptor and then male-female pipe joint for required length.

Pipe Accessories

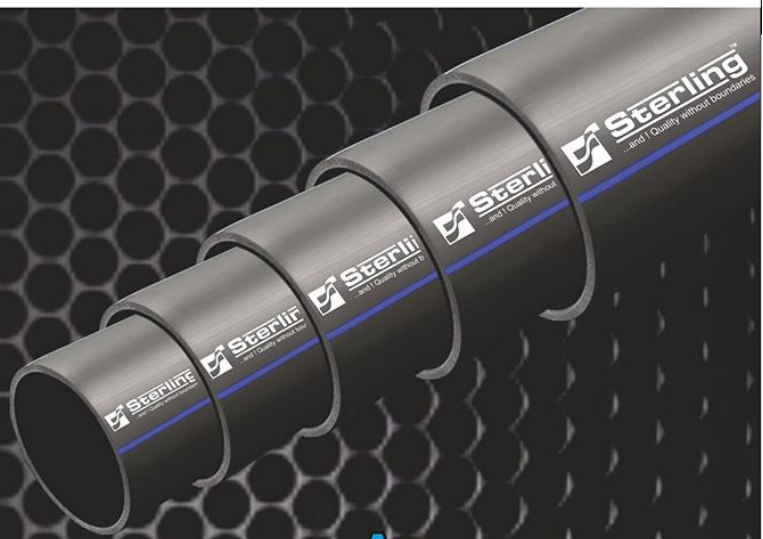
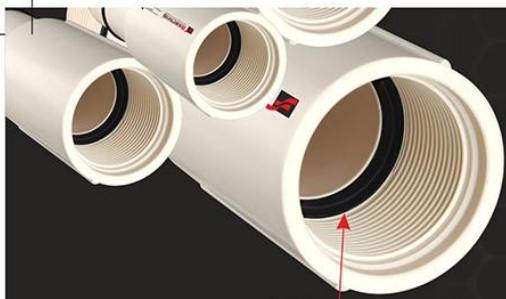


Apply pipe clamp at each joint for lowering pipe.



Use top adaptor after complete installation.





An
Innovative
PIPING
Solution
Forever....



STERLING PIPE INCORPORATION

Mfg. : uPVC Column Pipe, HDPE Pipe & Plumbing Pipe

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