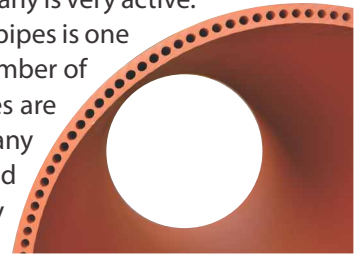


ECO-drain[®]

Hi-tech structured wall pipes for drainage and sewerage application

The Supreme Industries Ltd., is an acknowledged leader of India's plastic industry. The innovative product portfolio offered by the company is extensive in range and application and comprises a variety of pipes and a vast spectrum of fittings totaling around 7000 diverse products. Together these constitute the most comprehensive range in the industry that caters almost every conceivable need and application. Company has been a torch bearer in transition from conventional products to advance plastics piping products in the country and has been termed as "Trend Setters of Plastic Piping Products".

In our endeavor to new product developments, we are continually adding various new products for vast spectrum of application segments. Underground drainage and sewerage is one such segment where company is very active. Supreme now becomes the first to offer almost all varieties of structured wall pipes. Eco-drain pipes is one such variety which are not just solid wall pipes but have a unique wall structure i.e. with a number of "holes" across the pipe wall thickness in longitudinal direction. As a result, the Eco-drain pipes are noticeably lighter and less expensive than any existing PVC pipes of similar stiffness and many times lighter than a concrete pipe having equivalent load carrying capacity. We have extended the size range and now these pipes are available up to 630 mm sizes. We are very shortly introducing pipes with integral sockets rubber seal variety.



Features and Benefits

Structural strength - Eco-drain pipe is "Profile" wall pipe using I-beam construction. The I-beam construction provides eco-drain with a high moment of inertia and hence sufficiently durable to meet soil over load requirements.

High flow capacity/hydraulics - Smooth internal surface minimizes fluid friction and flow resistance for superior hydraulics and hence reduces the possibility of blockage. Long lengths of Eco-drain pipes reduces the number of joints and the potential for flow disturbances.

Watertight joints - Unique design of joints with click ring and sealing ring assures completely leak-proof joints.

Great flexibility - Due to the pipes being light weight and having longer lengths, installation becomes very convenient and fast.

Minimum installation expenses - Because of simple jointing technique, trench, width can be kept minimum. Flatter gradients are possible because of high flow rates resulting from smoother bore of the pipes. This ensures good saving in the installation cost.

Excellent resistance to corrosion and chemical attacks.

Hygienic and safe - Because of water tightness of the joints and trouble free performance without any blockage or leakage, high standards of hygiene are maintained.

Low maintenance costs - The superior hydraulic properties of the product contribute to greatly reducing installation cost and the need for future maintenance.

Long life - As pipe resist corrosion, sediment buildup and susceptibility to chemical reactions, the pipes are sufficiently durable.

Cost effective.



Although PVC pipes offer many advantages in underground drainage and sewerage segment, it is not yet widely accepted amongst Indian consumers. This has been chiefly due to cost considerations in comparison with conventional stoneware or R.C.C. pipes. Now due to improved technology these pipes have all the added benefits of PVC that add to the cost effectiveness. Therefore there is sure to be an increase acceptance which will further penetrate the market mainly dominated by concrete and clay (stoneware) pipes.

Unique watertight joints

Because of unique design of joints with fixed click ring and sealing ring, the system is completely leak-proof. Joints are stable, watertight and can accommodate angular deflection and axial displacement. Joints are designed to resist loads from horizontal and vertical forces. These joints can accommodate 3° angular deflection in any direction and hence offer good flexibility against lateral or vertical displacements. Very soon pipes with integral sockets and rubber seal will be made available.



Fields of application

Eco-drain pipes are suitable for Nu-drain underground drainage system comprising readymade inspection chambers, to make it further economical. Eco-drain pipes can be used for all underground drainage and gravity sewerage system, all rainwater collection, discharge and gravity systems, soil and waste systems inside the buildings and sewerage application.

Applicable standards

These pipes are made as per IS 16098 and European / International standards for "Structured-wall pipes and fittings" for Underground Drainage and Sewerage.

These pipes have equivalent stiffness and flexibility in combination with a weight reduction from 10 to 35 %, depending on size. The pipes are plain ended and are available in 110 to 630 mm sizes. The pipes are available in different stiffness classes as given in the table.

These pipes are interchangeable with solid wall pipes and are compatible with regular PVC fittings.

Dimensions and Stiffness Class of Eco-Drain Pipes as per IS : 16098

Pipe Size OD mm (D)	Pipe Ring Stiffness (KN/m ²)					
	SN 2		SN 4		SN 8	
	Wall thickness in mm					
	Min.	Max.	Min.	Max.	Min.	Max.
110	--	--	--	--	3.50	4.10
160	--	--	4.30	4.90	5.10	5.90
200	--	--	5.60	6.50	6.30	7.20
250	--	--	6.50	7.50	7.90	9.10
315	6.60	7.60	8.00	9.20	9.80	11.30
400	8.50	9.80	10.60	12.20	12.00	13.80
500	10.00	11.50	12.50	14.40	14.80	17.00
630	12.60	14.50	15.90	18.30	19.00	21.90



• Any specification can change without prior notice. • All information contained in this literature is given in good faith and believed to be accurate and reliable. But because of many factors which may be outside our knowledge and control and affect the use of the product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against patent infringement. No responsibility can be accepted for any error, omissions or incorrect assumptions.

The Supreme Industries Ltd. (Plastic Piping Division)

1161/1162, Solitair Corporate Park, Building No. 11,167, Andheri Ghatkopar Link Road, Andheri (East) Mumbai - 400 093, India
Tel: 91-22-6771 0000, 4043 0000 Fax: 6771 0099 / 4043 0099. • E-mail pvc-pipes@supreme.co.in • Website www.supreme.co.in

Overseas Office : Sharjah, U.A.E. Tel # + 971 6 557 4484; Fax # + 97165574485

I & T SIL Gadegaon, Dist-Jalgaon ● PC/ED/MKG/41 ● REV.11-12/2016