



# PRINCE

*Piyush Chheda Group*



## UPVC UNDERGROUND DRAINAGE & SEWERAGE SYSTEM.



WIDEST RANGE OF ANY PIPING SYSTEMS AVAILABLE UNDER ONE ROOF

*System is Quality!*

**PRINCE** uPVC Underground Drainage and Sewerage System.

PRINCE uPVC underground drainage and sewerage pipes are specially designed for underground non pressure application. These pipes are generally used to carry soil and waste from building to roadside sewers or drains and from there to treatment plant or disposal point. This can also be used for rainwater collection and disposal, including rainwater harvesting. These pipes are specially compounded to withstand different compression load and negative hydrostatic pressure. This system have multiple advantages over conventional drainage and sewerage system.

These pipes are manufactured as per IS 15328:2003 and available in different stiffness classes SN2, SN4 and SN8. The pipes from 110mm to 250mm sizes are available with plain and solvent socketed ends with 3 mtr. and 6 mtr. lengths.

**Application:**

- These pipes are highly recommended for buildings where hygiene is a prerequisite such as Hospitals, Hotels, Housing societies, Airports, housing etc for drainage and sewerage application
- Industrial and Chemical effluent conveyance
- Storm water drainage
- Acid and slurry transportation.

To connect the SWR end to the municipal sewers or mains drains or sewage treatment plants.

The Jointing technology for the Underground system from Prince is through ring type with a solid rubber ring or a one-fit dual ring. Prince also provide the Underground system in solvent joint. Please refer to IS 16098:2013 for proper installation of the Underground drainage system.



Underground Pipes

**Advantages of Underground Drainage System**

- Excellent stiffness and impact resistance
- Light weight, Hence easy to transport and install
- Smooth inner surface of the pipes, reduces the possibility of blockages and maximize flow characteristics.
- Immune to galvanic or electrolytic corrosion, thus ensures long life below the ground. Elastomeric ring joints accommodate expansion, contraction also soil movement due to earthquake effect.
- Trouble free performance of the joints without blockage and leakage ensures high standards of hygiene and low operating and maintenance cost..
- Being free from problems like corrosion and susceptibility to chemical reactions and as designed to carry soil and traffic loads, it is sufficiently durable, and offers long and trouble free service life.



**Dimension of Pipes as per IS: 15328 – 2003**

Nominal Outside Diameter	Mean Outside Diameter of Pipe		Outside Diameter of Pipe at Any Point		Wall Thickness		
	mm	Min	Max	Min	Max	SN-2 (SDR 51)	SN-4 (SDR 41)
63	63.0	63.3	62.2	63.8	Not covered in IS	-	2.7 +0.4
75	75.0	75.3	74.1	75.9	Not covered in IS	-	2.8 +0.5
90	90.0	90.3	88.9	91.2	Not covered in IS	-	2.9 +0.5
110	110.0	110.4	108.6	111.4	Not covered in IS	-	3.2 +0.5
125	125.0	125.4	123.5	126.5	Not covered in IS	3.2 +0.5	3.7 +0.7
160	160.0	160.5	158.0	162.0	3.2 +0.5	4.0 +0.6	4.7 +0.7
200	200.0	200.6	197.6	202.4	3.9 +0.6	4.9 +0.7	5.9 +0.8
250	250.0	250.8	247.0	253.0	4.9 +0.7	6.2 +0.8	7.3 +1.0
315	315.0	316.0	311.2	318.8	6.2 +0.8	7.7 +1.0	9.2 +1.2
400	400.0	401.2	395.2	404.8	7.9 +1.0	9.8 +1.2	11.7 +1.4

Note : All dimensions in millimeters (mm).

- 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.

**PRINCE**

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Website



SWR CPVC uPVC PPR AGRI RAINWATER BORE/TUBEWELL SYSTEMS UNDERGROUND MANHOLE COVER HDPE PIPES PEX PIPES WATER STORAGE TANKS

