

# S.W.R. uPVC

## Soil, Waste and Rainwater Drainage System

... Most comprehensive range with wide spectrum of fittings

IS :13592

IS :14735



CML :7158777

CML:7351569



The Supreme Industries Ltd. is an acknowledged leader of India's plastic industry. It is credited with pioneering several path breaking products and has gained a valuable experience in providing innovative and cost effective piping solutions. The Company has been a trend setter and a torch bearer in the transition from conventional to advanced plastic piping products in the country. The Company's objective is to meet the growing needs of its clientele in water and waste management and in infrastructure sector through a specially designed high performance range of piping products. The innovative product portfolio offered by Supreme is extensive in nature and applications. With its range of over 7500 products, the most comprehensive in the piping industry, Supreme caters to almost every conceivable need and application in piping.

The S.W.R. Drainage System is the result of Supreme's pioneering research, and was the first such PVC system in India, which has successfully replaced CI and AC products. It enables fast and efficient removal of waste without blockage and leakage. Its high impact strength, chemical and corrosion resistance, long life and virtually zero maintenance explains, why it continues to be the preferred brand of architects and builders everywhere.

### The system

The Supreme S.W.R. drainage system is designed for quick and efficient removal of waste without leakage. It is highly resilient, tough and durable with high tensile and impact strength. Moreover it is free from scale formation, rusting, weathering and chemical action. It is virtually immune to attack from bacteria, fungi, micro-organisms and insects. Thus, the system is a long term solution for building drainage with estimated life over 50 years. In addition to the various benefits, it is more cost effective than any conventional drainage system and is approved by MCGM.

### Product specifications and range

Pipes are available in 50 to 160mm dia. and fittings are available in 40 to 160mm dia. Pipes conform to IS:13592-92 and fittings conform to IS:14735-99 and as per international standards. Supreme S.W.R. drainage system is available in

- Rubber ring type joints
- Fix 'O'ring type seal design
- Pasted type joints (solvent weld)

### Unique features

**High quality and wide range** - The system consists of pipes and a wide range of fittings with various traps, which makes the system complete in all respect and hence customer need not to depend on conventional systems.

**Strong and long lasting** - This system is highly resilient, tough and durable with high tensile strength and high impact strength. Moreover it is free from problems caused by scale formation, rusting, weathering and chemical action and hence it lasts for lifetime.

**Excellent chemical and corrosion resistance** - Being non-metallic, this system is completely free from corrosion and offers very good resistance to wide range of chemicals.

**UV resistance** - It eliminates the adverse effect of sunlight and weather and can safely used for outdoor installations.

**Quick and convenient installation** - Being extremely light in weight and provided with special rubber jointing technique, installation of this system becomes very easy.

**Quick and efficient removal of waste without leakage** - Mirror smooth and restriction free inner surface of pipes and fittings ensures superior flow characteristics making the system is free from problems of clogging and drain choke-up. System is completely leak-proof and designed to maintain high standards of hygiene.

**Adequate and easy access for cleaning and clearing obstructions.**

**Least maintenance** - Once installed Supreme S.W.R. drainage system needs minimal maintenance.

**Cost effective** - Supreme S.W.R. drainage system is more cost effective than any conventional drainage system.

### Fittings



Long Swept Bend 87.5°



Variable Bend (0-30°)



Bend 45°



Reducing Swept Tee



Reducing Swept Tee with Door



Cross Tee



Double Y with Door



Reducing Double Y



Reducing Double Y with Door



W.C. Connector (Bend)



W.C. Connector



W.C. Manifold

### Different Traps



Nahani Trap



Nahani Trap Premium



Nahani Trap (One Piece)



Wash Basin 'P' Trap



Kitchen Line Trap



'P' Trap



Coupler



Repair Coupler



Connecting Coupler



Bend 87.5°



Door Bend 87.5° (TS)



Door Bend (RS/LS)



Single Tee



Single Tee with door



Swept Tee



Swept Tee with door



Reducing Tee



Reducing Tee with Door



Cross Tee with Door



Reducing Cross Tee with Door



Single Y



Single Y with Door (LH/RH)



Reducing Y



Double Y



Reverse Y



Eccentric Reducer



Cleaning Pipe



Vent cowl Premium



Air Admittance Valve



W.C. Connector straight (Reducer type)



Floor Drain (B)



Extended Balcony Drain



Shower Drain Chanel



Siphonic Roof Outlet



Roof Corner Outlet



Flush Valve



Plain Floor Traps



Multi Floor Traps



Sunken Multi Floor Trap



Height Riser



Extension Piece (with S.S. grating cover)



U-Trap



'Q'Trap



'S'Trap



Gully Trap



Bell Mouth Trap



Square Gully Traps (IP)

### Dimensions of pipes

Nominal outside diameter (mm)	Tolerance on outside diameter (mm)	Wall thickness (mm)					
		Type-A		Type-B		Sufla (non-standard)	
		Min	Max	Min	Max	Min	Max
50	+0.3	1.8	2.2	3.2	3.8	-	-
63	+0.3	1.8	2.2	3.2	3.8	-	-
75	+0.3	1.8	2.2	3.2	3.8	1.4	1.6
90	+0.4	1.9	2.3	3.2	3.8	-	-
110	+0.4	2.2	2.7	3.2	3.8	1.5	1.65
160	+0.5	3.2	3.8	4.0	4.6	2.7	3.2

**NOTE:** As per IS:13592-1992 **TYPE A** pipes are recommended for use in ventilation pipe work and rain water application and **TYPE B** pipes are recommended for use in soil and waste discharge system. Pipes are available in 2, 3, 4, 6 and 10 feet lengths in single and double sockets in all sizes.



### Jointing instructions

- Make sure the spigot end and inside of socket is clean and the sealing ring is placed evenly in the socket.
- When cutting pipes, make sure they are cut square. Cut end of pipes should be deburred and chamfered to an angle of 15° with a medium file. This is important to avoid displacement of the rubber ring.
- A correct depth of entry of the spigot into the socket is required to allow thermal movement. To achieve this, push spigot fully into the socket (remove sealing ring at this time) and make a mark on the spigot. Withdraw the pipe by 10mm and mark the spigot with bold line. This bold mark indicates the correct depth of entry to allow the necessary expansion gap.
- Apply Supreme SILAID rubber lubricant evenly on the pipe or fitting spigot end and the sealing ring. Then insert the spigot into the socket with light twisting motion. Pull out the pipe to allow for 10mm expansion gap.
- The joint is now complete and required no additional mastics, tape or cement or any other joining sealants.



### Consumption of rubber lubricant

Size in mm	75	110	160
No. of joints/kg.	500	300	200

### Maximum support distance in meters

Size in mm	75	90	110	160
Horizontal	0.75	0.9	1.1	1.6
Vertical	2.00	2.00	2.00	2.00

### Important information

- Only UV stabilized uPVC SWR pipes with rubber ring/click ring or pasted type only should be used. The regular uPVC pressure pipes with solvent cement jointing when exposed to sun-rays/ weather get brittle and brownish and joint get opened due to thermal expansion.
- Use only rubber lubricant for joining SWR pipes and fittings where rubber ring is used.
- Avoid over tightening of door caps. Proper placement of rubber ring should be confirmed before tightening.
- Avoid misalignment of vertical SWR pipe stacks and incorrect spacing of pipe clips.
- Use of rubber ring type joint for horizontal installation requires proper supports and alignment and hence pasted type joint should be preferred.
- Cutting of pipes should be straight, as diagonal cutting may leads to leakage.
- All entry to main stacks should be protected with water seal trap, wherever there is mixing of Soil and Waste lines.
- Keep a gap of 10mm between all pipes and fittings to accommodate thermal expansion and contraction of pipes for longer life of the system.
- Smoke test should be avoided and test plug/socket plug should be used for testing the lines.
- Horizontal lines within bathrooms should be cement encased and tested before compacting of sunken floor to avoid any accidental damages.
- For further technical information/assistance, the manufacturer to be contacted for required clarification.

• All the dimensions unless otherwise specified are in mm • All information contained in this literature is given in good faith and believed to be accurate and reliable. Because of many factors which may be outside our knowledge or control and affect the use of product, no warranty is given or 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. • Any specification may change without prior notice.

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