



**MIRAJ**

# UNDERGROUND SEWERAGE PIPES

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**MIRAJ PIPES & FITTINGS  
PVT. LTD.**

OPP GANGOTRI, BADI-THUR  
ROAD, FENIYON KA GUDA,  
UDAIPUR(RAJASTHAN)

## ABOUT US

Founded in 2004, Miraj Pipes & Fittings Pvt. Ltd. has emerged as a prominent supplier of high-quality Industrial Pipes, Industrial Pipe Fittings, and HDPE Sprinklers. Under the effective guidance of Chief Operating Officer Mr. Kailash Chandra Agarwal, the company has attained notable success, establishing itself as a reliable provider of superior products. Committed to delivering excellence, Miraj Pipes & Fittings Pvt. Ltd. continues to excel in the industry by providing dependable solutions to cater to a wide range of industrial requirements.

Our state-of-the-art 6 lakh sq. ft. infrastructure, equipped with cutting-edge machinery, excels in handling orders of all sizes. The in-house research and development facility ensures that our products consistently meet ISI standards.

With 28 dedicated machines, our production capacity reaches an impressive 55,640 metric tons. Our commitment to quality is highlighted by our ISO 9001 certification, covering a diverse product range that includes RIGID PVC pipes, SWR pipes, Elastomeric pipes, CPVC & UPVC plumbing solutions, HDPE pipes, Sprinkler pipes, and more.

## PRODUCTION CAPACITY

- UPVC Pipes / CPVC Pipes / SWR Pipes / Plumbing Pipes – 49866 MT
- HDPE Pipe / Sprinkler – 3942 MT
- PVC Fitting – 1832 MT

## MIRAJ UNDERGROUND SEWERAGE PIPE

MIRAJ Unplasticised polyvinyl chloride (PVC-U) Underground Sewerage Pipes are made specifically for use in underground drainage & sewerage systems. These pipes are brown coloured & are available in plain as well as elastomeric sealing ring type. They are manufactured as per Specification No IS 15328 - 2003 of the Bureau of Indian Standards.

### Product Range :

- Range : SN 2 - 160 to 400 mm, SN 4 - 125 to 400 mm, SN 8 - 63 to 400 mm.
- Type : Self fit & Elastomeric sealing ring

### Advantages :

- Hygienic and Leakproof.
- Flexible.
- Lower installation & maintenance costs.
- Immune to galvanic or electrolytic corrosion thus ensuring long life.
- Ease of Installation and Handling.
- Excellent Stiffness and Impact Resistance.

### Product Specification :

<i>Nominal Ring Stiffness</i>	<i>Mean OD</i>		<i>SN 2</i>		<i>SN 4</i>		<i>SN 8</i>	
<i>SDR</i>			<i>51</i>		<i>41</i>		<i>34</i>	
<i>Pipe Series</i>			<i>S 25</i>		<i>S 20</i>		<i>S 16.5</i>	
	<i>Min.</i>	<i>Max.</i>	<i>Min</i>	<i>Max</i>	<i>Min</i>	<i>Max</i>	<i>Min</i>	<i>Max</i>
<b>63</b>	63.0	63.3	*	*	*	*	2.7	3.1
<b>75</b>	75.0	75.3	*	*	*	*	2.8	3.3
<b>90</b>	90.0	90.3	*	*	*	*	2.9	3.4
<b>110</b>	110.0	110.4	*	*	*	*	3.2	3.7
<b>125</b>	125.0	125.4	*	*	3.2	3.7	3.7	4.4
<b>160</b>	160.0	160.5	3.2	3.7	4.0	4.6	4.7	5.4
<b>200</b>	200.0	200.6	3.9	4.5	4.9	5.6	5.9	6.7
<b>250</b>	250.0	250.8	4.9	5.6	6.2	7.0	7.3	8.3
<b>315</b>	315.0	316.0	6.2	7.0	7.7	8.7	9.2	10.4
<b>400</b>	400.0	401.2	7.9	8.9	9.8	11.0	11.7	13.1

## Testing :

Sr. No.	Cl. No.	TEST	Unit	Specific Requirement
1	7.1	Visual appearance	--	The internal and external surfaces of the pipe shall be smooth, clean and free from grooving, blistering and any other surface irregularity. The pipe ends shall be cleanly cut and reasonably square to the axis of the pipe.
2	7.2	Colour	--	The Color of the pipe shall be dark brown and pipe shall be uniformly colored throughout entire wall
3	7.3	Vicat softening temperature	°C	Shall not be less than 79
4	7.4	Longitudinal Reversion Test	%	Shall not Exceed $\pm 5$
5	8.1	Resistance to external blows at 0°C	%	The Pipe shall have a true impact rate of not more than 10 %
	8.3	Resistance to Internal Hydraulic Pressure Test Acceptance test	--	The pipe shall not fail (seep, crack, bulge or burst) during the prescribed test duration of the test
6	10.1	<b>Elastomeric sealing ring joints</b>		
	10.1.1	Internal Hydrostatic Pressure Test	--	The Pipe shall withstand an internal pressure of up to and including 0.05 MPa (0.5bar) for a minimum of 15min without leakage.
	10.1.2	Internal Negative Hydrostatic Pressure Test	--	The Pipe shall withstand an internal negative pressure (internal vacuum) of up to and including 0.03 MPa (0.3bar) for a minimum of 15min without leakage.
7	8.2	Ring stiffness	-	For SN2 - 2 kN/m <sup>2</sup> For SN4 - 4 kN/m <sup>2</sup> For SN8 - 8 kN/m <sup>2</sup>