

**TATA
PIPES**
Jeevan

TATA STEEL

**TATA
PIPES**
Jeevan

**TATA
PIPES**
Jeevan

**Health
Friendly
Pipes**

TATA PIPES JEEVAN

TATA STEEL

Tata Steel Limited,
Marketing Headquarters
43 Jawaharlal Nehru Road, Kolkata - 700071
Tel: 91 33 2224 8106, 2224 8636
Email: tatapipes@tatasteel.com

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Tata Steel - Tubes SBU

Tata Steel – Tubes Strategic Business Unit (SBU) was established in 1985 after the merger of the erstwhile Indian Tube Company Limited with Tata Steel. Tubes SBU has retained its leadership position in the segments it operates, it has an installed production capacity of over 6,00,000 tons per annum and has ambitious plans to be a 1 Million ton player in the near future.



Business Verticals

With continuous expansion and growth propositions on the anvil, Tubes SBU presently has three main lines of business :

1. Structural

High quality hollow sections under the brand "Tata Structura" cater the Construction segment for load bearing and aesthetic applications.

2. Conveyance

Galvanized and MS tubes under the brand "Tata Pipes" cater the irrigation borewell segment as well as Plumbing applications for water supply, re hydrants and HVAC.

3. Precision

Manufactured with utmost precision these tubes cater the high end – Automotive applications as well as boiler segment. They are branded as "Tata Precision".

Tata Pipes

A pioneer in plumbing pipes, Tata Pipes has been bringing water into our homes, and joy in our lives, for over 50 years.

TATA
PIPES
Jeevan

Is the brand introduced by Tata Steel Tubes Division. A leading manufacturer of steel tubes in the country. It is a high quality Galvanized Steel Tubes with organic coating meant for flow of water

TATA PIPES JEEVAN

Manufacturing Process



1 Tata Pipes are manufactured by the High Frequency Induction Welding (HFIW) Process. The process, also known as the Cold Process, uses HR strips, which are manufactured at Tata Steel's modern HotStrip Mill.



2 In the HFIW process, the HR coil goes through the MIG welder, while a steady flow is assured from the horizontal/vertical coil accumulator.

3 The tubes progressively form as the strip passes through successive rolls and is followed by the high frequency induction welding at the edges of the strips to complete the tube formation.



4 External beads due to weld deposition on the outer surface of the tubes is then removed to ensure a smooth surface finish. Following the welding process, an eddy current non destructive testing machine, screens out the imperfectly welded tubes.



5 The steel tubes are hot-dip galvanized, in which the tubes are pickled (i.e. washed in acid baths to clean out impurities) just before galvanizing. Once galvanization is complete, the tubes are picked up by magnetic rolls and superheated steam is blown through them to ensure clean bores and uniform coating on both surfaces



6 The tubes are screwed with taper pipe threads and sockets with parallel threads as per IS:554. The parameters related to threading are checked during operations, with carefully calibrated gauges



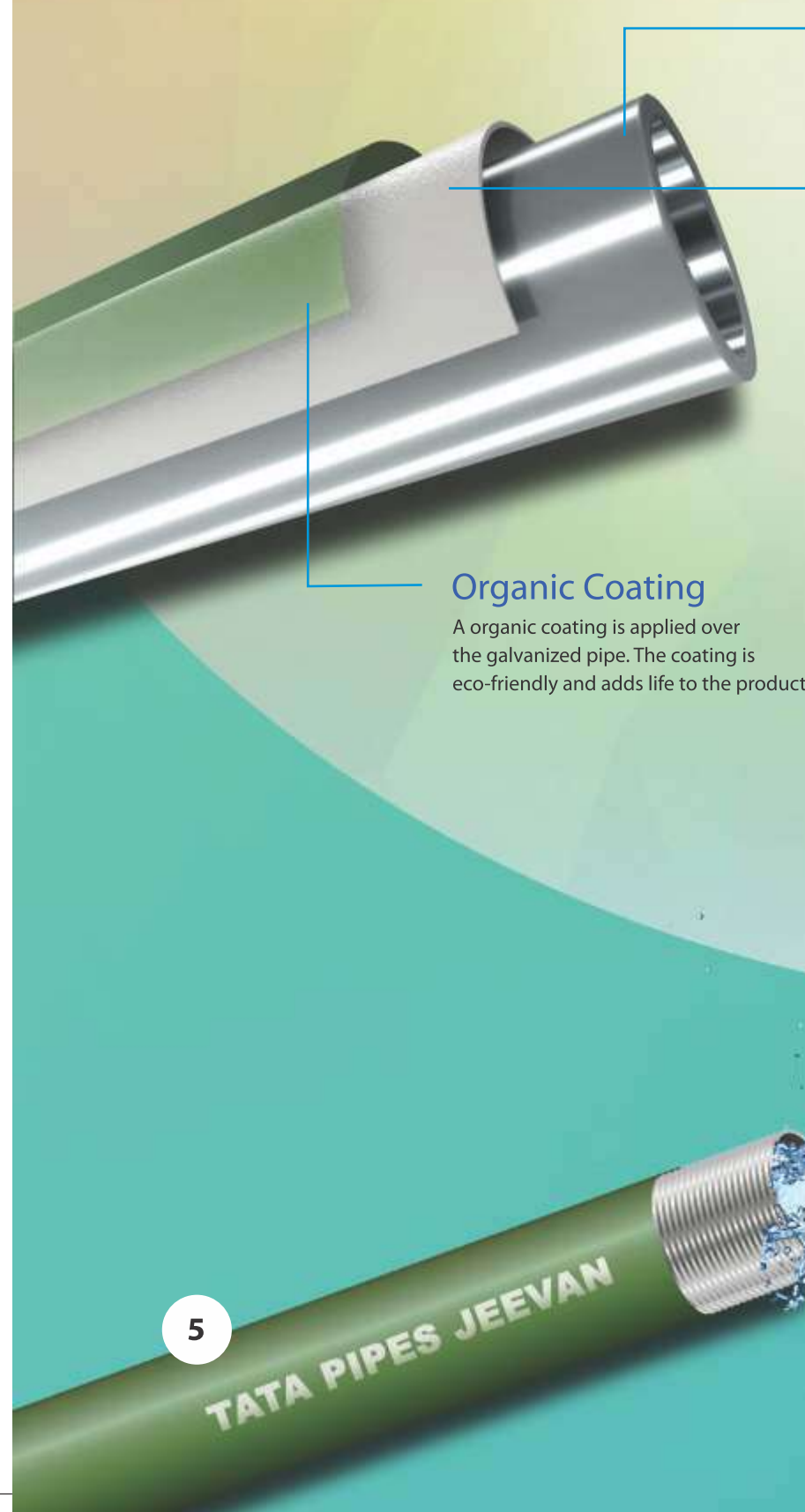
7 Post galvanizing, the pipes are coated with organic coating with Tata Pipes Jeevan logo printed using a dot matrix printer.



8 The finished tubes, light, medium and heavy are packed on the packing tables and bundled separately on the bundling machine. The loading operations are then carried out by fully mechanized cranes on to trucks, for transportation across the country.



Sectional Diagram of Tata Pipes Jeevan



Pure Steel Pipe

Tata Pipes is made with virgin steel in the state-of-the-art Tata Steel mills in Jamshedpur

Galvanized Coating

The pure steel pipes are given a galvanized coating which makes the pipes more resistant to corrosion.

Organic Coating

A organic coating is applied over the galvanized pipe. The coating is eco-friendly and adds life to the product

Benefits of Tata Pipes Jeevan



Tata pipes come with the same quality assurance which you would associate with the Tata name.



Guaranteed 360 GSM Zinc Coating

Consistent and uniform Zinc coating both on outside and inside of tubes, offers greater resistance to corrosion, prevents water contamination and results in increased longevity.



Thickness as per specification IS: 1239

Strict adherence to Scheme of Testing and Inspection laid down by Bureau of Indian Standards (BIS) as per licensing norm - Always reliable.



Exact Length of 6 metres

No chance of being cheated and no wastage of pipes.



Boron+ Steel

Superior threadability, hence strong joints. (For specific applications).



Available at a uniform price

The only pipes brand with a Recommended Consumer Price.

Available only at authorized retail outlets

A tension-free buying experience with no hassles.

Advantages of Tata Pipes Jeevan



Specification of Pipes: IS 1239

Dimensions and nominal mass of Steel Tubes -
Light, Medium & Heavy Conforming to IS : 1239 (part-1) 2004

Nominal Bore (mm)	Class or Category	Outside diameter (mm)		Thickness (mm)	Mass of Tube Black & Galvanized			
		Max	Min		Plain End Kg/m	Screwed & Socketed Kg/m	Plain End Metre/Ton	Screwed & Socketed Metre/Ton
15	L	21.4	21.0	2.0	0.947	0.956	1056	1046
	M	21.8	21.0	2.6	1.21	1.22	826	820
	H	21.8	21.0	3.2	1.44	1.45	694	690
20	L	26.9	26.4	2.3	1.38	1.39	725	719
	M	27.3	26.5	2.6	1.56	1.57	641	637
	H	27.3	26.5	3.2	1.87	1.88	535	532
25	L	33.8	33.2	2.6	1.98	2.00	505	500
	M	34.2	33.3	3.2	2.41	2.43	415	412
	H	34.2	33.3	4.0	2.93	2.95	341	339

*Approximate Values
 Note: The approximate Kg/Mtr. can be calculated using the formula: Kg/Mtr = (D-t) x t x 0.0246615
 D = Outside Diameter in mm, t=thickness in mm
 Abbreviations: L = Light Series, M = Medium Series, H = Heavy Series

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