

TRUST OF INDIA

ECO PLUS
CEMENT & STEEL



विश्वास
सदियों
तक

सीमेंट और सरिया साथ साथ...

Trade Enquiry No. : 7080110893, 8573003083

Benefits of Eco Plus TMT

- Authorised Conversion Agent of Steel Authority of India Limited.
- Eco Plus TMT bars are manufactured by using world class technology, approved by Steel Authority of India Limited.
- Eco Plus TMT bars have better elongation properties which improves the safety levels of construction with high ductility. The advantages of high ductility are greater stability during adverse environment strains and because of higher resistance to cyclic loading conditions, Eco Plus TMT bars have better earth quake resistant quality.
- Every Eco Plus TMT bar is highly corrosion resistant due to better thermo-mechanical technology used with controlled chemistry and supervised by expert engineers.
- Eco Plus TMT bars displays excellent bending and re-bending properties which makes it easier to work at site.
- Eco Plus TMT bars have higher Tensile Strength and Weight Tolerances and thus require lesser quantity of steel, resulting in lower cost.
- Low levels of carbon ensure faster and easy welding with strongest weld joint hence reduction in wastage at site.
- Eco Plus TMT bars have uniform, parallel and closely placed ribs with correct depth and placement of Lugs to provide excellent grip.
- Eco Plus TMT bars have higher thermal stability and can retain more than 80% of its yield strength at 300°C. Thus making it safer even in fire-hazard.
- Eco Plus TMT bars have comparatively better Tensile Strength and hence are more suitable for high rise buildings.

Comparison Chart

Properties/Compositions	India (IS:1786)	Eco Plus TMT	SAIL TMT (As per Brochure)	Tata Tiscon TMT (As per Brochure)
MECHANICAL PROPERTIES	Grade Fe-500	Grade Fe-500	Grade Fe-500	Grade Fe-500 D
Proof Stress	500 N/mm ²	525 N/mm ²	500 N/mm ²	540 N/mm ²
Tensile Strength	545 N/mm ²	605 N/mm ²	580 N/mm ²	600 N/mm ²
Elongation	12%	18.3%	18%	18%
Bend Test	Upto 20 mm -4D	Satisfactory	Satisfactory	Satisfactory
CHEMICAL COMPOSITION (%)				
Carbon	0.30 Max.	0.25 Max.	0.250 Max	0.250 Max
Sulphur	0.055 Max.	0.039 Max.	0.050 Max	0.035 Max
Phosphorous	0.055 Max.	0.045 Max.	0.050 Max.	0.035 Max
S+P	0.105 Max.	0.084 Max.	0.100 Max	0.070 Max

TMT WEIGHT AND BUNDLE DETAILS

Dia (in MM)	Length of Bundle (in Mtr.)	Quantity of Saria in Bundle	Standard ISI Weight (in Gram/Mtr.)	Weight Tolerances % as Per ISI	Eco Plus Weight (in Gram/Mtr.)	Dia Bendability Fe 500
8	12	11	394	± 7%	370-385	4D
10	12	7	617	± 7%	580-595	4D
12	12	5	888	± 5%	850-870	4D
16	12	3	1579	± 5%	1500-1550	4D
20	12	2	2468	± 3%	2400-2430	4D
25	12	1	3856	± 3%	3760-3850	5D
32	12	1	6318	± 3%	6200-6400	5D

Clients

