



paragonTMT
FE 550 STEEL BARS



Building Trust on Steel

Since 1983

www.paragonsteels.in

We Envisage



We, Paragon Steels Pvt Ltd, established in 1983, is one of the leading steel manufacture in Kerala with a production capacity of 50,000 MT per annum and possesses a state-of-art manufacturing facilities at Kanjikode, Palakkad. We are Kerala's first ISI steel manufacturer.

Advantages of paragon Fe 550



Purity:

Paragon Fe 550 possesses a highest level of PURITY and lowest level of PHOSPHOROUS and SULPHER contents and these make the bar very stronger.

Earthquake Resistant:

The best combination of yield strength, Ductility, Bendability and Faligue Resistance is the best match for resisting Earthquake.

Bonding with Cement:

Best defined RIB PATTERN of Paragon Fe 550, that meets the standard Ar value specifications, ensures the best and stronger bonding with cement.

Easy Weldability:

Due to low CARBON content, Paragon Fe 550 provides a very high weldability.

Easy Bendability:

Paragon Fe 550 possesses easy bendability and highest strength, due to its inherent microstructure with Ferrite-Pearlite soft core (inside).

Uniform Quality: Paragon Fe 550 has uniform quality in every part of the bar.



Mechanical Properties

Yield or 0.2% Proof Stress	UOM	520 (min)
Ultimate tensile strength	UOM	600 (min)
Elongation	UOM	19 % (min)

Maximum mandrel diameter for bend test

Normal Size in MM	Paragon Fe 550
Bend Test up to 20 MM	3 Ø
Bend Test Over 20 MM	4 Ø

Table of sections, weight, and no of pic/bundle/bundle weight

Sl. No	Section	Weight as per IS 1786-2008	Weight paragon Fe 550		No. of pic/bundle	Bundle weight
			Normal	Maximum		
	Size					
1	8 MM	0.395	0.395	0.423	10 No	44 Kg
2	10 MM	0.617	0.617	0.660	7 No	47 Kg
3	12 MM	0.888	0.888	0.932	5 No	51 Kg
4	16 MM	1.578	1.578	1.678	3 No	54 Kg
5	20 MM	2.466	2.466	2.540	2 No	59 Kg
6	25 MM	3.854	3.854	3.971	1 No	47 Kg
7	28 MM	4.835		4.690		
8	32 MM	6.316		6.127		

Bigger saving of paragon Fe 550



(Due to: Reduction of steel consumption, Reduction in Bar Congestion, Reduction in Labour cost and Faster construction)

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Paragon Steels Pvt. Ltd
336/2 Near NIDA, Kanjikode, Palakkad, Kerala
Pincode : 678621
Ph : 0491 2569539, 2566402
E : admin@paragonsteels.in

IS : 1786



Accreditation by RvA
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