



Premium
ULTRA PLUS⁺
TMT

550 D

*Ekk Atoot Bandhan
Bharose Ka....*

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ULTRA PLUS⁺
TMT



Quality at the Core

When the cut ends of PREMIUM ULTRAPLUS Thermax TMT Bars are etched In Nital, Distinct rings appear as a testimony to the desired micro Structure for quality construction rebars

- A tempered outer ring of martensite
- A semi-tempered middle ring of martensite
- A mild circular core of bainite, ferrite and pearlite

The consistent product quality achieved by PREMIUM ULTRA PLUS TMT is regarded highly by customers. PREMIUM ULTRA PLUS Thermex TMT bars undergo several tests at various stages of production. During the process, series of samples are taken for testing in PMCs own laboratory where the latest equipment and techniques are used to verify chemical composition as well as physical and mechanical properties.

Specifications

CHEMICAL COMPOSITION	ELEMENT	UNIT	IS: 1786 Fe-550	PMC PRESTIGE Fe-550	IS:1786 Fe-550D	PMC PRESTIGE Fe-550D
	CARBON	%	0.30 max	0.16-0.25	0.25 max	0.17-0.25
	MANGANESE	%	Not Specified	0.60-0.90	Not Specified	0.60-0.90
	CE	%	0.42 max	0.38 max	0.42 max	0.37 max
	SULPHUR	%	0.055 max	0.050 max	0.040 max	0.035 max
	PHOSPHORUS	%	0.050 max	0.050 max	0.040 max	0.035 max
	S & P	%	0.100 max	0.095 max	0.075 max	0.065 max
	NITROGEN	ppm	-	100 max	-	100 max

MECHANICAL PROPERTIES	TESTS	UNIT	IS: 1786 Fe-550	PMC PRESTIGE Fe-550	IS:1786 Fe-550D	PMC PRESTIGE Fe-550D
	Yield Stress	N/mm ²	550 min	570 min	550 min	570 min
	Tensile Strength	N/mm ²	585 min	655 min	600 min	675 min
	Elongation	%min	10.0 min	18.0 min	12.0 min	20.0 min
	Total Elongation	% min	-	-	5 min	7 min
	Bend up to 20mm	-	5Ø	4Ø	4Ø	3Ø
	Over 20mm	-	6Ø	5Ø	5Ø	4Ø
	Rebend up to 10mm	-	7Ø	4Ø	6Ø	4Ø
	Over 10mm	-	8Ø	4Ø	7Ø	4Ø



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