

ADVANTAGES OF PFI TIRUMALA XDCRS TMT STEEL



PRAKASH FERROUS INDUSTRIES PRIVATE LIMITED

An ISO 9001 : 2015 / ISO 14001 : 2015 / OHSAS 18001 : 2007

CORPORATE OFFICE

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FOR ENQUIRY

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BUILD WITH PFI TIRUMALA TMT STEEL



HIGH STRENGTH CORROSION RESISTANT TMT STEEL

Typically used in places with high salinity in the air like coastal areas, industrial areas & areas with high acid content in the air.

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The Realism

Humans always keep evolving and there are so many positive extracts from these improvements. Yet these advancements sometimes come at a cost. For example, the greenhouse effect and global warming is pragmatically changing the climatic behaviors of Nature. Recent research findings by the metrological experts show humidity levels hase seeped inwards to more than 150Kms along the Costal Lines.

PFI Tirumala TMT Steel **XDCRS** EXTRA DURABLE

PFI Tirumala TMT Steel are synonymous with quality. The well-equipped Chemical and Physical Laboratories of PFI Tirumala are constantly reengineering the Product line and always stay ahead in construction needs. From sourcing the suitable raw materials, Billet casting to finished TMT, multi-point checking and analysis are implemented with every batch. Evolution of PFI TIRUMALA XDCRS keeping in with the climatic trends. The R&D backbone of PFI Tirumala researched and explored the metallurgic properties of Steel, by benchmarking various Steel equipment that are put to extreme hardships of the environment for very long periods of time. The resultant findings are the Key to the development of PFI Tirumala XDCRS Steel TMT Steel.



C3 TECHNOLOGY

PFI TIRUMALA Launching India's first best in class, XDCRS TMT Steel with balanced XDCRS TMT using C3 technology for long lasting corrosion resistance. The result of Extensive R&D is the correct composition of CARBON + COPPER + CHROMIUM. While most XDCRS Steel keep their Manganese, Sulphur and Prosperous content at optimum levels to make XDCRS TMT, which are the regular norms, PFI TIRUMALA further re-engineered XDCRS with C3 Technology. This unique balance of key minerals makes PFI TIRUMALA XDCRS TMT steel to resist corrosion even longer than conventional XDCRS TMT.

Characterized by low carbon content, PFI TIRUMALA XDCRS - exhibits excellent strength - ductility - corrosion properties which are used extensively for the construction of reinforced cement concrete (RCC) structures, foundations and major infrastructures. PFI TIRUMALA XDCRS contain the appropriate composition of key chemical elements like Copper, Chromium, and Carbon to make the bars highly resistant to corrosion. PFI TIRUMALA XDCRS are most suited to take on the coastal, humid and environment conditions prone to corrosion.



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STRENGTH & PHYSICAL PROPERTIES

SIZE mm	LOT No.:	CHEMICAL PROPERTIES (in %)									PHYSICAL PROPERTIES (in %)				
		C	Mn	P	S	Si	Ni	Cr	CU	CE	Proof Stress N/mm2	Tensile Stress N/mm2	Elongation	Bend Test	ReBend test
16	101	17	80	05	05	25	25	50	41	30	580	690	21	ok	ok

RANDOM TEXT RESULTS SAMPLE

Standard	Grade	Remaks	Yield Strength (N/mm2) min	UTS (N/mm2) min	% Elongation min - max
IS: 1786 - 2008	FE500		530	610	16 - 21
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Corrosion Resistance Rebars	Tirumala XDCRS	Cu + Cr+ Ni = 0.40% min	530	610	17-22