

STARBLAZE PRIME 7014

Classification

AWS A 5.1 : E 7014

EN 499 : E 42 0 RR 33

ISO 2560-A : E 42 0 RR 33

Description and Application

An iron powder heavy coated rutile type electrode specially designed for fast welding speed. Gives excellent stable arc, least spatters, fine ripples and very easy slag removal. Weld metal is of radiographic quality. Deposition efficiency 115% approx. Suitable for all mild steel structures, pressure vessels, boilers, wagons, tanks, ships etc.

Base materials

Construction steels for general use , Tube steels, Ship steels

EN- Designation:	S185 – S355	L210 – L360
	P235 – P355	
Ship steels:	Quality A and B	
ASTM:	A285 grade C	A414 grade C, D, E, F
	A442 grade 55, 60	A515 grade 55, 60, 65

Typical weld Metal Chemical Composition (%)

C	Si	Mn	S	P
0.07	0.25	0.65	0.020	0.025

All weld metal Mechanical Properties (Typical)

Yield strength N/mm ²	Tensile strength N/mm ²	Elongation A ₅ %	Charpy impact value ISO-V J+0°C
≥400	510-600	≥24	≥47

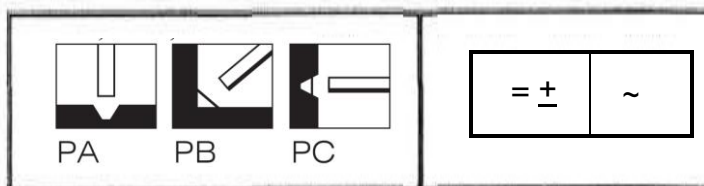
Amperes (A)

2.00mm	2.40mm	2.50mm	3.15mm	3.20mm	4.00mm	5.00mm
45-75	70-90	70-90	110- 140	110- 140	140- 180	180-230

Welding instruction

Keep dry and avoid condensation.

Welding Positions



Stellaris Specialities India Ltd.

(Division: StarBlaze India)

GST No.: 06AAICS2482B1ZK / Legal Metrology No.: GOI/DL/2022/4850

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Corporate Office & Plant 2: 552, Pace City II, Sector 37, Gurugram, Haryana - 122001

Plant 3: B-100, Mayapuri Industrial Area, Phase-1, Near Police Station, New Delhi-110064

Plant 4: A-334, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan - 301707

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