

❖ Product Description

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|------------------------------------------------|--------------------------------------------|
| I. Aluminate rutile type of agglomerated flux | V. Works well with Carbon steel |
| II. Compatible for fillet and butt welding | VI. With EL 8 wire neutrality number is 56 |
| III. Basicity index is around 0.6 | |
| IV. Type of current DCEP/AC and up to 800 Amp. | |

❖ Range of Application

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|----------------------------------------------|----------------------------------------|
| I. Fabrication of General Structural Welding | II. Fabrication of cylinders & Vessels |
|----------------------------------------------|----------------------------------------|

❖ Classification

AWS/SFA 5.17F7AZ EL8 & AWS/SFA 5.17 F7AZ EL12

❖ % Chemical Composition of Weld Deposits (weight %)

F7AZ-EL8 (With 3.20 mm Wire Dia. Size)	Typical Values	C	Mn	Si	P	S
		0.06	1.10	0.65	0.017	0.019

❖ Mechanical Properties of all weld metal

Condition with EL 8	UTS, Mpa (Min)	YS, MPa (Min)	% Elongation	Charphy "v" Notch Impact @ 0°C
As Welded	530	440	25	40

❖ Flux Sieve Analysis

Mesh Size	2.00	1.70	1.40	1.18	1.00	0.850	0.50	0.250
Typical Values	0.9%	6.3%	30.5%	3.4%	29.45%	6.18%	21.70%	1.57%

❖ Packaging

Available in 25 kg HD Poly lined Bag

Special Notes: -

- (1) All the value above mentioned are typical values.
- (2) Usually all chemistry and mechanical properties will depend on actual wire chemistry and arc voltage used for welding.

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