

Covered Mild Steel Electrode (SMAW)



ZUPERFAB 6013 is a medium heavy rutile coated mild steel electrode designed for welding of unalloyed structural steels in all positions. The electrode gives smooth radiographic quality weld with low spatter and smoke. Slag is self detachable and the bead shape is uniform and finely rippled.

Classifications:	SFA/AWS A5.1:E6013, EN ISO 2560-A:E 38 0 RC 11, IS 814:ER4212X
Approvals:	DNV
Welding Polarity:	AC, DC+
Alloy Type:	C-Mn
Coating Type:	Rutile

Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
AWS			
As Welded	420 MPa	510 MPa	28 %

Typical Charpy V-Notch Properties		
Condition	Testing Temperature	Impact Value
AWS		
As Welded	0 °C	90 J

Typical Weld Metal Analysis %		
C	Mn	Si
0.08	0.35	0.25

Current Range	
Diameter	Current
2.5 x 350 mm	50-80 A
3.15 x 350 mm	70-120 A
3.15 x 450 mm	70-120 A
4.0 x 450 mm	100-170 A
5.0 x 450 mm	150-260 A