



GWS

GLOBAL WELDING SUPPLIES

Keeping New Zealand Together

CLASSIFICATION

AWS A5.10/ A5.10M:1999

AWS/ASME SFA A5.10

Blue Demon ER4043 Welding Electrode is a general purpose type aluminium welding wire. It is one of the oldest and most widely used welding and brazing alloys. This aluminium alloy contains silicon additives, which result in improved fluidity (wetting action) of the weld pool and also produces a weld less sensitive to cracking. Its bright weld finish makes it a popular choice of welders. ER4043 can be used to weld various grades of aluminium.

WELDING PARAMETERS:(For guidance only)

Φ mm	Current (A)	Volts (V)
2.4mm	125-160	15
3.2mm	190-220	15

Tensile Strength: 20 kPa

TYPICAL WIRE CHEMISTRY (As welded)

Si	Fe	Cu	Mn	Mg
4.5-6.0	0.8	0.30	0.05	0.05

Zn	Ti	Other	Al
0.10	0.20	0.15	Remainder

Welding Positions: Flat, Vertical, Overhead & Horizontal