

SUPERGLAZE® 4043

Aluminum ▪ AWS ER4043

KEY FEATURES

- Use on many weldable cast and wrought aluminum alloys
- Generally recommended for welding 5052, any 6XXX series alloys and castings
- Embossed on each end for easy identification after use

WELDING POSITIONS

All

NOTE

- Typical Operating Procedures on pg. I-15 - I-16

CONFORMANCES

SFA/AWS A5.10/A5.10M: ER4043
ASME SFA-A5.10: ER4043

TYPICAL APPLICATIONS

- Bicycle frames
- Pressure vessels

DIAMETERS / PACKAGING

Diameter in (mm)	10 lb (4.5 kg) Carton
1/16 (1.6)	ED031111
3/32 (2.4)	ED031112
1/8 (3.2)	ED031113

WIRE COMPOSITION⁽¹⁾ – As Required per SFA/AWS A5.10/A5.10M

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER4043	Remainder	4.50-6.00	0.80 max	0.30 max	0.05 max
Typical Results ⁽²⁾	Remainder	5.01	0.13	0.008	0.009
	%Mg	%Cr	%Zn	%Ti	%Be
Requirements - AWS ER4043	0.05 max	Not Specified	0.10 max	0.20 max	0.0003 max
Typical Results ⁽²⁾	0.03	—	0.002	0.007	0.0002

⁽¹⁾Typical all weld metal. ⁽²⁾See test results disclaimer

SUPERGLAZE® 5356

Aluminum ▪ AWS ER5356

KEY FEATURES

- Aluminum-magnesium alloy for use on many weldable cast and wrought aluminum alloys
- Generally recommended for welding any 5XXX or 6XXX series aluminum alloys
- Excellent for color matching after anodizing
- Embossed on each end for easy identification after use

CONFORMANCES

SFA/AWS A5.10/A5.10M: ER5356
ASME SFA-A5.10: ER5356

TYPICAL APPLICATIONS

- Architectural structures
- Armored vehicles
- Gun mount bases

WELDING POSITIONS

All

DIAMETERS / PACKAGING

Diameter in (mm)	10 lb (4.5 kg) Carton
1/16 (1.6)	ED031108
3/32 (2.4)	ED031109
1/8 (3.2)	ED031110

WIRE COMPOSITION⁽¹⁾ – As Required per SFA/AWS A5.10/A5.10M

	%Al	%Si	%Fe	%Cu	%Mn	%Mg	%Cr	%Zn	%Ti	%Be
Requirements – AWS ER5356	Remainder	0.25 max	0.40 max	0.10 max	0.05-0.20	4.05-5.5	0.05-0.20	0.10 max	0.06-0.20	0.0003 max
Typical Results ⁽²⁾	Remainder	0.06	0.09	0.02	0.12	4.84	0.12	0.001	0.09	0.0002

⁽¹⁾Typical all weld metal. ⁽²⁾See test results disclaimer

STICK (SMAW) ELECTRODE

FERROWELD®

Cast Iron ▪ AWS ESt

KEY FEATURES

- Deposits may be finished by grinding
- Cost effective option for repairing cast iron

CONFORMANCES

AWS A5.15/A5.15M: ESt
ASME SFA-A5.15: ESt

WELDING POSITIONS

All

TYPICAL APPLICATIONS

- Repairing pits and small cracks in castings

DIAMETERS / PACKAGING

Diameter in (mm)	1 lb (0.5 kg) Plastic Tube 6 lb (2.7 kg) Master Carton	10 lb (4.5 kg) Easy Open Can 30 lb (13.6 kg) Master Carton
1/8 (3.2)	ED031542	ED033882

TYPICAL OPERATING PROCEDURES

Electrode	Electrode Polarity	Current (Amps)
Ferroweld®	DC+/AC	80 - 120