



Unibraze 1300

(E4043)

Unibraze 1300 is an all position 5% silicon aluminum arc welding electrode with exclusive self lifting slag. It is used for low temperature production and maintenance welding of cast and wrought aluminum sheets, plates, castings and extrusions. It provides good color match and excellent corrosion resistance. Applications include tanks, pipes, appliances, refrigeration equipment, irrigation equipment, automobile parts and parts found in the chemical, food, and laundry industries.

Typical Chemical Composition

Aluminum	Balance
Zinc	0.08 max.
Manganese	0.04 max.
Iron	0.80 max.
Copper	0.23 max.
Silicon	5.25 max.
Magnesium	0.04 max
Others	0.50 max.

Typical Mechanical Properties

(Undiluted Weld Metal)

Tensile Strength	34,000 psi, min. (250 N/mm ²)
Yield Strength	20,000 psi, min. (150 N/mm ²)
Elongation	18%

Specifications

AWS A5.3 / ASME SFA5.3 Class E4043

Recommend Amperages

3/32" (2.4MM)	50 – 80
1/8" (3.2MM)	70 - 120

Recommended Current: DC Reverse (+)