



Alloy Sol™ - Aluminum Repair and Joining Rod

Description

All purpose brazing and soldering of aluminum fittings, castings, tubing, and coils. 600 degree flow temp allows the technician to successfully fix and fabricate all aluminum grades.

Applications & Features

- Join and repair:
 - Filling in holes, building up worn or missing sections and joining cast to wrought parts.
 - General purpose outdoor use on repairing aluminum skids, platforms, loading docks, truck bodies, irrigation piping, fences and railings.
 - Joining thick to thin sections requiring a combination of braze-welding and brazing techniques.
- Use any heat source :
 - Oxy-acetylene torch
 - Natural gas torch
 - Propane torch
 - Mapp gas
- Paired with Alloy Sol™ Flux

Properties

Composition	
Si (Silicon) :	5%
Fe (Iron):	.3%
Cu (Copper):	.001%
Mg (Magnesium):	.003%
Mn (Manganese):	.04%
Zn (Zinc):	.003%
Ti (Titanium):	.004%
Al (Aluminum):	94.649%
Technical Data	
Melting Range:	600-700°F (315-371°C)
Shear Strength (Aluminum):	18,000 psi @ 72°F
Tensile Strength:	Up to 35,000 psi (250 MPa)

*Note: Shear strengths based on double lap joints, Tensile strengths depend on base metals, soldering methods and type of joint.

Product Variants

Alloy Sol™ is most often sold in 18" sticks of .093" (3/32") diameters.

Also available in 18" sticks of .062" (1/16") diameters.

Matching Flux

- Alloy Sol™ Flux