

The Right Product At The Right Temperature

Converting to Aluminum?
Process Control Issues?
Low Joint Quality?
Overheating the Base Metals?

The Solution:

- Low Temperature Aluminum Alloy...
- Better Process Control...
- Wider Temperature Processing Window...
- Improved Product Quality...
- Flux Containing Product...
- Best in Class Technical Support & Solutions...

Handy One[®] Aluminum - Low Temperature

Flux and Alloy All in One...

*Low Temperature Aluminum Alloys
Allowing for a Larger Temperature Process Window*



LucasMilhaupt[®]
A Handy & Harman Company
Global Brazing SolutionsSM

Heat Exchangers...Copper to Aluminum Change:

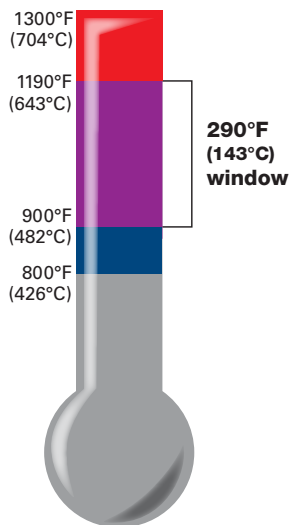
- Issues with Current Brazing Process?
- Need a Larger Temperature Window?



FAMILY OF ALLOYS

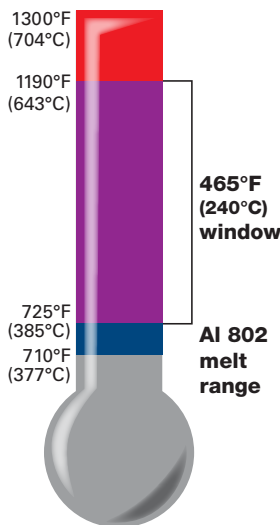
- Flexible Chemical Composition
- Multiple Forms
- Customized Products

AL 822



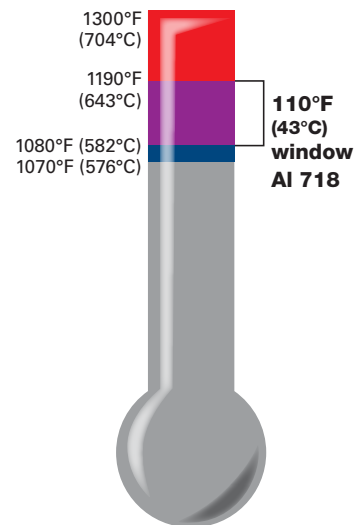
Advantages:
Larger temperature window
Customizable flux combinations

AL 802



Advantages:
Lowest Melting Temperature
Considerations:
High Zn content - less compatible with Al

AL 718



Advantages:
Compatible with Al base metal
Considerations:
Small temperature process window

Product Description:

Our new Aluminum Handy One LT Family of Alloys offers a clear solution with a low-temperature melting range aluminum alloy. Aluminum Handy One LT opens the temperature processing window beyond the typical 110°F melt window of AL 718 and most aluminum base metals – creating an easy-to-control process – joining components such as thin aluminum heat exchangers and other Al base metals. In addition to common chemical compositions, we can provide flexible flux and alloy composition of AlZnSi and AlZn to satisfy the needs of your particular application. Aluminum Handy One LT offers the industry an innovative solution in low-temperature aluminum.

Filler Metal	AWS A5.8 Classification	Solidus		Liquidus		Composition (Wt.%)		
		°F	°C	°F	°C	Al	Si	Zn
AL 718	BAISi-4	1070	576	1080	582	88	12	
AL 802		710	377	725	385	2		98
AL 822		800	426	900	482	22		78

(Temperatures and compositions listed are nominal values)



U.S. Patent Pending

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