



UNITED ALLOY # 730

Be insured in quality, Be insured in service, Be insured in “United Alloys.”

UNITED ALLOY is uniquely different from other available alloys. Combining the highest purity metals available, stringent quality control, special de-oxidizers and grain refiners, produce trouble-free, superior quality castings and fabrication or rolling (hand-made).

UNITED ALLOY # 730 Brass is a bright yellow brass designed for fabrication or hand-made and can be used for normal investment casting for jewelry samples, models, belt buckles, art objects, etc. It finishes to a bright 14K color and easily solders with sterling silver or low gold formulas. This brass contains Technical Element Metals which provides flexibility and greatly improves in the fabrication production and has a better tarnish resistance than the normal brass alloys.

This alloy is already mixed can be used without adding any metal.

- 1.) Melt Temperature for Casting : 1,050 - 1,100 °C
- 2.) Flask Temperature :

WEIGHT	CENTRIFUGAL CAST	VACUUM CAST
Light	530 - 550 °C	620 - 680 °C
Medium	490 - 520 °C	550 - 590 °C
Heavy	450 - 480 °C	480 - 540 °C

- 3.) Quench Time : Wait 15 - 20 minutes before quenching flask.
- 4.) Pickling : United’s Brite-Cast™ (Ammonium Bi-fluoride), Sparex # 2 (sodium bisulfate), 10% - 20% Sulfuric Acid.
Rubber gloves and safety glasses are recommended when using acid pickle.
- 5.) Re-using : New metal 70%, Old metal 30%, Cleans scrap well before re-melting.
- 6.) Specific Gravity : 8.63
- 7.) Soldering : Ratio of Mixing : 70% United Silver Solder Alloy # SSA + 30% Fine Silver.
- 8.) Note : Melt temperature may vary with type of unit.

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