
UNITED “BRIGHT YELLOW BRASS” ALLOY # 347

Thank you for using UNITED’S alloys.

UNITED’S # 347 Casting Brass is a 80% Copper – 20% Zinc based **Bright Yellow brass** designed to cast jewelry samples, models, belt buckles, art objects, etc. This alloy does not have any de-oxidizers and therefore, there will be a fire-scale on the castings. It finishes to a bright **14 K** color and **easily solders with silver or low gold formulas.**

Specific Gravity of this alloy is 8.52. You should obtain excellent results by following a few simple instructions.

MELTING

Melt Temperature for casting **1050° C - 1922° F**

NOTES: Melt temperature may vary with type of unit. This alloy is designed for casting & fabrication. # 347 Brass should not be cyanide gold plated, use acid gold plating unless nickel subplate is used. For # 347 Brass, we recommend an ultrasonic cleaning solution called BCR available from OKITE.

FLASK TEMPERATURE

Normal recommended temperature in the range of **580° C to 700° C / 1076° F – 1292° F** depending on size of flask, karat & type of jewelry.

FLUXING

Boric Acid is the recommended flux. Use as little flux as possible. Do not use carbon fluxes or any fluxes designed for refining; i.e., soda ash, saltpeter, etc. Avoid flux in bottom pour automatic casting units.

QUENCH TIME

15 – 20 minutes.

INVESTMENT REMOVAL

Most standard investment removers will successfully remove the investment powder. Fluoric-based investment removers are the best for removing the silicon oxide invisible coating. Use of aggressive acids causes stress corrosion and surface damage and is therefore not recommended.

UNITED’S Brite-Cast™ Investment Remover works effectively in removing fire scale as well as preventing stress corrosion or surface damage of the cast piece.

TECHNICAL ASSISTANCE

Always available... Call 1-800-999-3463 / 1-800-999-FINE
E-mail / doc@unitedpmr.com Web-Site / www.unitedpmr.com

2781 Townline Road, Alden, NY 14004, USA.
Phone : (800) 999-3463; International Phone : +1-(716)-683-8334
Fax : (800) 533-6657; International Fax : +1-(716)-683-5433
E mail: sales@unitedpmr.com; Website: www.unitedpmr.com