

“Cold Casting” Powders

“Cold Casting” is a simple technique using fine metal powders to create objects that duplicate the look and feel of “Hot Castings” without the expense of working with molten metal at a traditional foundry. Bronze, Copper and Tin are the most popular metals used, as well as others, to achieve the desired effect. “Cold Cast Bronze” is also known as Resin Bronze, Bonded Bronze and Faux Bronze.

Examples of Techniques Used

Bronze Powder is added to polyester resin, polyurethane, epoxy, gypsum cement, or other binders. Small objects are cast and cured in suitable molds. To conserve metal when casting larger pieces, the mold surface may be dusted, slushed, brushed, spread, rolled or sprayed to create a thin coating. The mold can then be back-filled with resin or fiberglass, iron or steel shot, sand or calcium carbonate to increase weight (or hollow glass beads to lighten the piece). After curing and removal from the mold the object must be gently abraded / burnished with fine steel wool, a ScotchBrite pad, or sand blasted to remove the microscopic film of binder from the surface of the metal particles, exposing the pure metal beneath. The object will now have the authentic look and feel of a true hot metal foundry casting.

Because the surface is now true metal, it will naturally or can be intentionally oxidized or patinated to achieve an antique look.

ACuPowder also offers Bronze and Copper Powders that are darker for added definition and dimension.

Product & Grade No.	Description/Effect
Bronze 5657-C	Bright Bronze
10P	Medium/Bright
PA-WS-9010-200	Medium Bronze
5790	Dark Bronze
Copper 301-N	Bright Copper
301	Deep Red Copper
Tin 301	Pewter, Aged Iron, Nickel Silver, Stainless Steel
5798	

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ISO 9001

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We are innovation in motion*

ISO 14001

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