

# SIGMA

## FOR CASTING SILVER BRASS, AND BRONZE

Prestige SIGMA™ is a high value, low cost gypsum bonded investment powder developed by Certus to provide the user and industry with an investment powder engineered specially to eliminate costly surface defects associated with casting the most difficult designs and shapes cast in silver and bronze.

### FEATURES

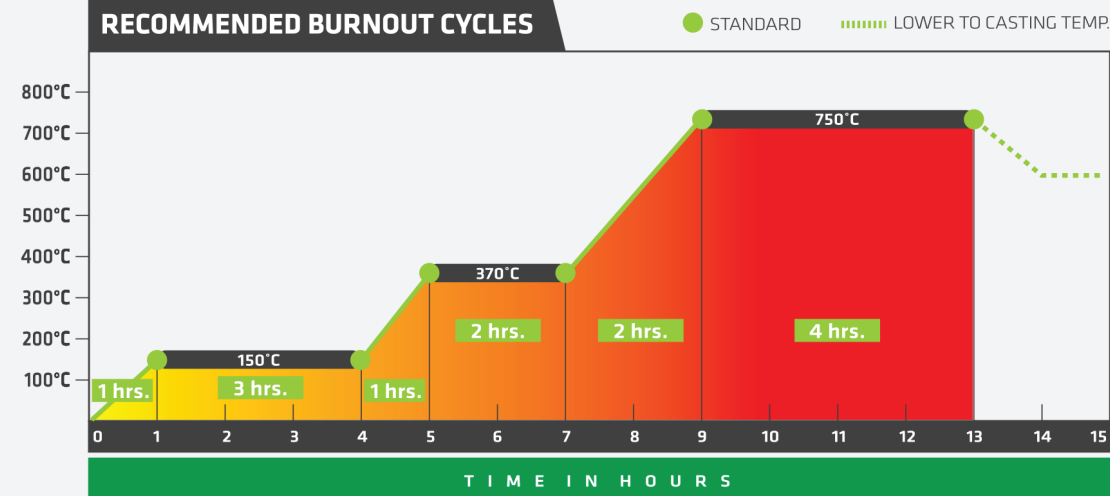
- Uses the highest purity raw materials available
- Variable water to powder ratio, 38 - 40/100 for thick to thin designs
- User friendly formula, easy to mix and use
- Superior thermal shock resistance to temperature. Highly resistant to flashing and cracking
- Special proprietary control chemicals easily remove air from the investment slurry and pattern surface to provide super smooth, bubble free castings time after time
- Provides extra smooth, dense, flash free castings
- Easy removal during water quench.
- Better casting results, even when less than perfect mixing techniques are observed
- ZERO defects policy. All batches test cast in silver to ensure perfect quality before shipping



Independent tests performed by some of the world's best known casting companies, Prestige "SIGMA" has proven to be a truly superior investment for casting silver. **"PERFECTION IN JEWELRY CASTING TECHNOLOGY"**

Sigma comes in 22.5Kg. Plastic lined Poly Sacks or Ergonomic 22.5Kg. Plastic Drums package or 45Kg. Heavy duty reusable Plastic Drums for containment of used investment.

### RECOMMENDED BURNOUT CYCLES



### INSTRUCTIONS FOR MIXING

Powder: Water Ratio (38% - 40%)	Powder (Kg.)	Water (cc.)	Powder (Lb.)	Water (cc.)
Automatic Vac. Mixing	1	380	1	172
Conventional Mixing	1	400	1	181.6
Water Temperature °C	21-24	21-24	21-24	21-24

- Increasing the powder amount 1% will decrease the total working time for approximately 30 seconds

Automatic Vac. Mixing Mach.	Minutes
Accurately Weigh Powder / Water	----
Add Powder to Water	----
Mixing & Vacuuming	5
Pour into Flask	2
Vacuum Invested Flask	1
Total Working Time	8

- Allow to sit undistributed for 90-120 minutes before burnout

Conventional Mixing Mach.	Minutes
Accurately Weigh Powder Water	----
Add Powder to Water & Mix	4
Vacuum the Bowl	1
Pour into Flask	1
Vacuum Invested Flask	2
Total Working Time	8

- Allow to sit undistributed for 90-120 minutes before burnout

