



Gesswein Trading Pvt. Ltd.



G-CAST
JEWELRY INVESTMENT POWDER



Gesswein Trading Pvt. Ltd.

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WHY G-CAST ?

G-CAST is produced in a state of the art production facility by Certus in Istanbul, Turkey

G-CAST is made from the highest purity, whitest gypsum mined from the world's purest deposit and from the finest premium grade Cristobalite imported from the U.S.A.

G-CAST has an Ultra-Micro Smooth casting surface, thermal shock resistant and a longer working time

G-CAST commercial grade investment powders "Surpass Industry Standards" and is the only new investment powder innovation since the 1960's

G-CAST investment powder is tested for "Zero Defect" and each batch is triple tested before shipping

G-CAST has a new technology "Blast Away" which causes the investment material to greatly soften and melt away easily during the "Water Blast" process



G-CAST
JEWELRY INVESTMENT POWDER

SERIES



● RP CAST

ADVANCED HIGH STRENGTH REFRACTORY CERAMIC DEVELOPED FOR THE CASTING OF RESIN PATTERN MATERIALS MASTER MODELS AND CARVED WAXES



● APEX

EXCELLENT FOR CASTING HIGH TEMPERATURE GOLD ALLOYS INCLUDING PALLADIUM, NICKEL, WHITE GOLD AND SILVER



● ELITE

GOOD FOR CASTING GOLD ALLOYS INCLUDING 24K GOLD, SILVER, AND ALL NON-FERROUS ALLOYS THAT MELT AT TEMPERATURES UP TO 1093 °C (2000 °F)



● PRIMO

ECO-POWDER MADE WITH HIGH QUALITY INGREDIENTS FOR THE CASTING OF GOLD, SILVER, BRASS, BRONZE AND ALL NON-FERROUS ALLOYS THAT MELT AT TEMPERATURES UP TO 1093 °C (2000 °F)



● PLATA

ECONOMIC POWDER WITH HIGH QUALITY FOR THE CASTING OF BRASS, BRONZE AND ALLOYS



● MAJESTIC

UNIQUE INVESTMENT FORMULA SPECIFICALLY DESIGNED FOR CASTING PLATINUM, PLATINUM ALLOYS, REPRODUCES EXCELLENT SURFACE FINISH



● STONESET

ADVANCE REFRACTORY CERAMIC FOR CASTING STONE IN PLACE (WAX SETTING)

STONE SET



G-CAST STONE SET is a special application, gypsum bonded investment developed for casting "Stone in Place" (wax setting). Pre-blended with special, technical grade anti oxidizing ingredients, **STONE SET** forms a reliable, protective barrier (heat shield) that protects diamonds, semi-precious stones and cubic zirconia from clouding, or burning during the burnout and casting process. Expertly engineered with environmentally friendly control chemicals.

FEATURES

- Pre-blended premium investment formula for casting "Stone in Place" (Wax setting)
- Provides a protective barrier for diamonds, precious and semi precious stones cast in place up to a temperature of 630°C
- Superior mold strength provides clean, flash free castings from top to bottom of tree
- Smooth, creamy, easy flow formula provides bubble free castings using normal working times
- For gold up to 22K sterling and fine silver, brass, bronze
- Easier removal and clean up of castings

STONE SET is compatible with all commonly used jewelry wax pattern materials is highly resistant to thermal shock during burnout and provides the user with smooth, dense, flash free castings that eliminate defects still obtained with other competitive brands.

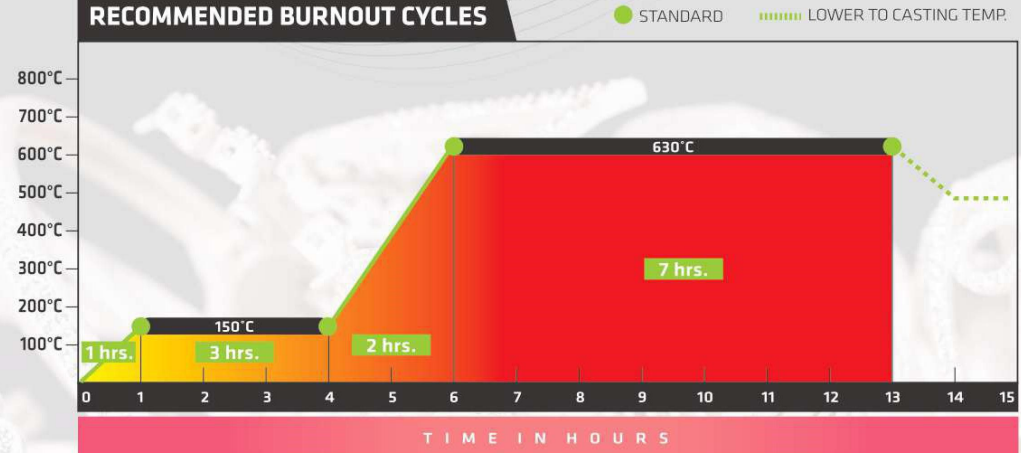


Net. 22.5 Kg/Sack

Net. 22.5 Kg/Drum

G-CAST STONE SET has proven to be a truly superior investment for casting stone in place

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

APEX



G-CAST APEX is an ultra-premium gypsum bonded investment developed and perfected for the casting of gold up to 22K. To achieve the smoothest casting surface possible, **APEX** incorporates specially graded refractory ingredients along with specialized control chemicals to make it the most user-friendly investments on the market today.

FEATURES

- Highest purity, white gypsum mined from the world's best known deposits
- Uses only a special premium grade cristobalite from America.
- High purity refractory grains, sized to achieve the smoothest casting surfaces possible
- Mixes to a rich, creamy, easy pour consistency
- Reduces surface tension on wax to supply bubble free castings
- Complete removal of investment during water quench
- Controlled expansion properties that are compatible with all injection waxes and commonly used plastic pattern materials.
- Reliable consistency from batch to batch
- Eliminates surface defects obtained using other brands
- Reduces time in finishing. Saves time & money



Net. 22.5 Kg/Sack

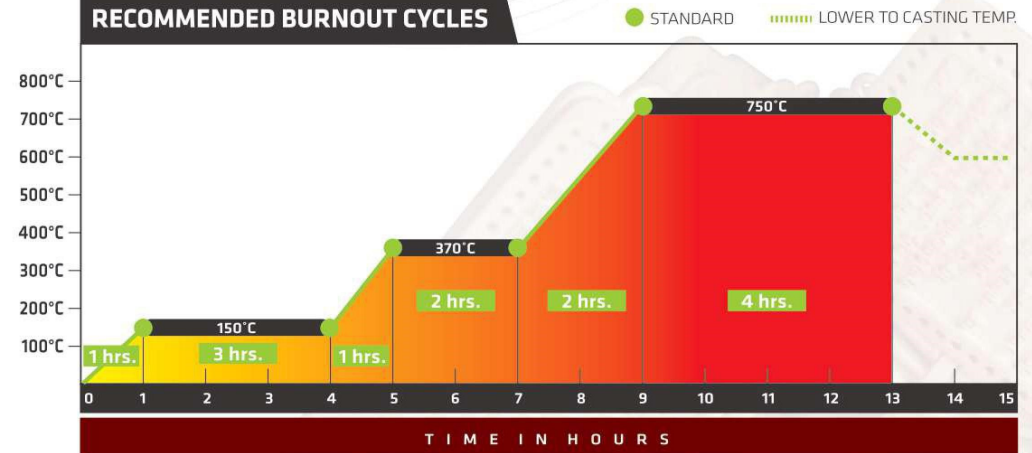
Net. 22.5 Kg/Drum

G-CAST APEX has proven to be a truly Superior investment for casting gold

APEX

FOR CASTING PALLADIUM, YELLOW AND WHITE GOLD UP TO 22 KARAT

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

RP CAST



G-CAST RP CAST is a new generation, gypsum bonded investment that consistently provides superior, ultra smooth casting surfaces for a variety of today's pattern materials including:

1. Standard injection waxes
2. Carving waxes
3. Resin patterns (SLA)
4. Wax based polymers
5. Hybrid wax / plastic patterns

FEATURES

- Super user friendly formula, forgiving easy to use
- Mixes easily to a creamy, pourable slurry
- Incorporates environmentally friendly control chemicals
- Faster initial set after gloss-off
- Low rise under vacuum
- Superior temperature resistance in burn-out, up to 830°C
- Reduces porosity and finishing time
- Captures even the most delicate details Optima is proven to provide ultra-smooth casting surfaces, unmatched by any other brand

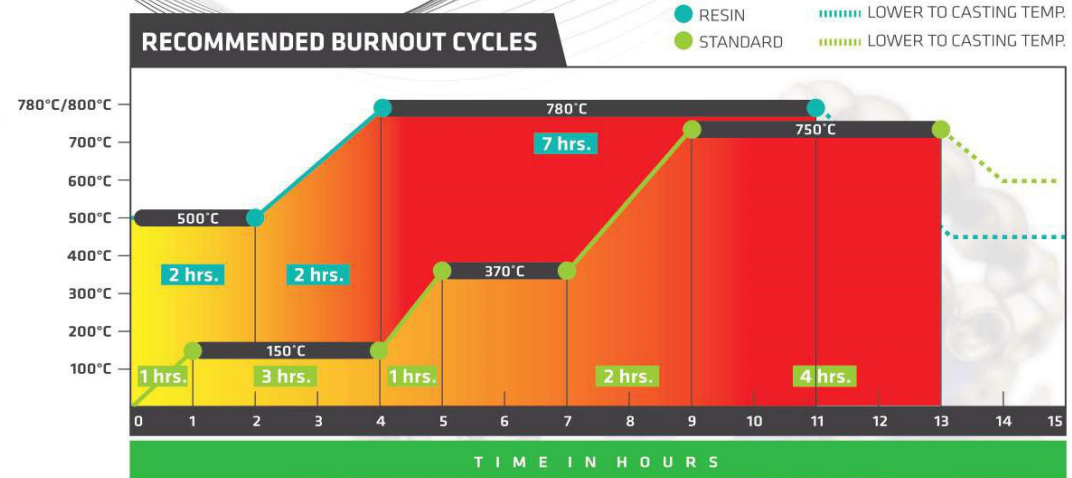


Net. 22.5 Kg/Sack

Net. 22.5 Kg/Drum

G-CAST RP CAST has proven to be a truly superior investment for casting resin patterns.

RECOMMENDED BURNOUT CYCLES



- Flip flask upwards while ramping down to casting temperature.

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

ELITE



G-CAST ELITE is a premium quality gypsum bonded investment in the **G-CAST** line of investments designed for users that prefer one investment for multiple casting applications. **ELITE** is a perfect choice for casting gold up to 18K and superior for producing the most complex designs in sterling and fine silver.

FEATURES

- Ease of use- Mixes a thin, creamy, easy to pour consistency
- Universal formula for a variety of casting applications
- Controlled expansion properties that are compatible with all commonly used injection waxes
- Variable water to powder ratio allows for a variety of mixing equipment and techniques to be used
- Reduces surface tension on wax to provide super smooth, bubble free castings
- Eliminates water marks from forming on casting surface
- Removes easily during water quench
- Eliminate defects still obtained with other brands when less than perfect mixing techniques are observed
- Highly consistent from batch to batch

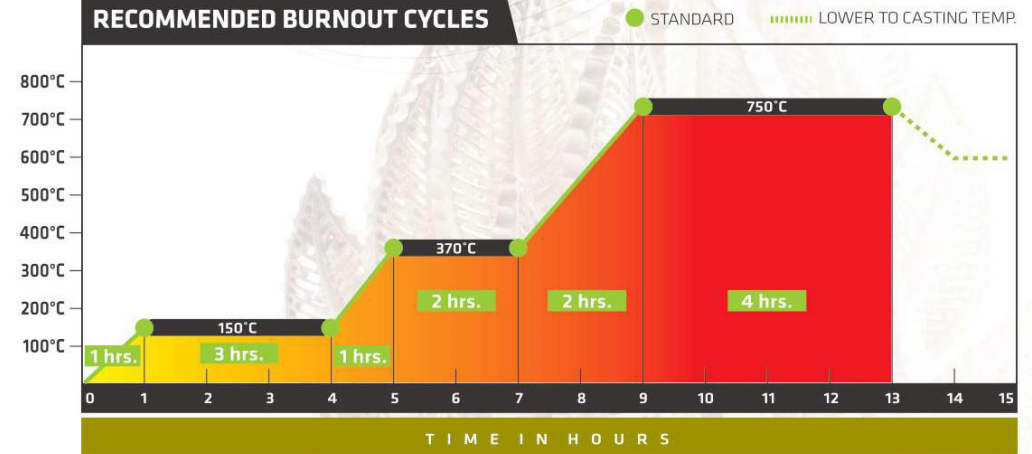


Net. 22.5 Kg/Sack

Net. 22.5 Kg/Drum

G-CAST ELITE has proven to be a truly superior investment for casting gold & silver

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

Reimers®
ELECTRA STEAM, INC.



GRS



CIMO



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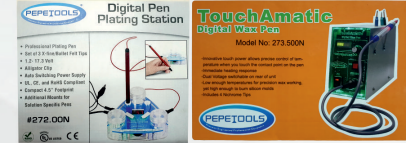
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BRUSH COMPANY



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