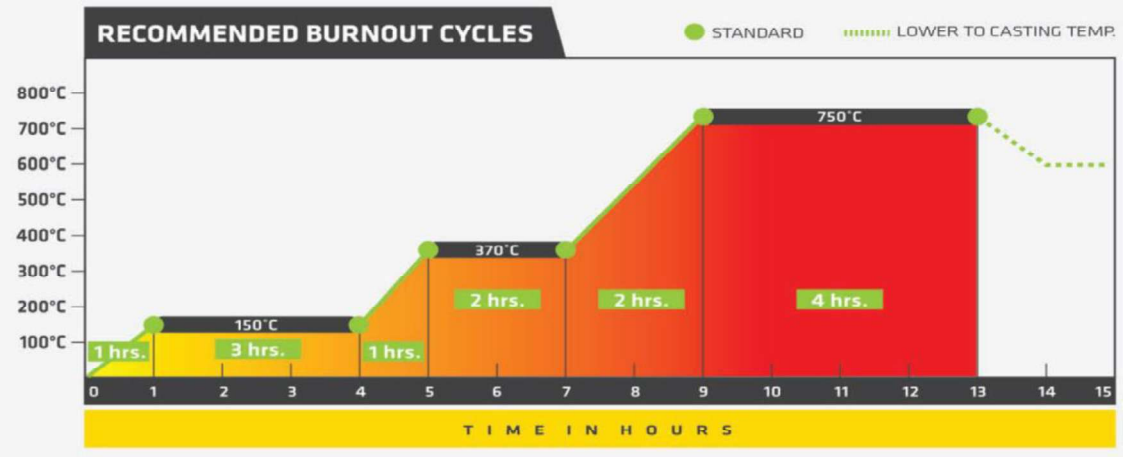
CAST-AU
INVESTMENT POWDER

Cast-AU is a casting plaster developed and perfected for casting **palladium**, **yellow** and **white gold** casting **up to 22 karats**. It contains specially graded refractory components and control chemicals to achieve the smoothest possible casting surface. This makes it one of the most userfriendly casting plasters on the market.



POWDER/WATER RATIO

Powder/Water Ratio	Powder (Kg.)	Water (cc.)
Automatic Vac. Mixing.	1	380
Conventional Mixing	1	400
Water Temperature°C	21-24	21-24

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

STEPS OF MIXING

Automatic Vac. Mixing Machine		Conventional Mixing Machine	
0 min	Accurately Weigh Powder/Water	0 min	Accurately Weigh Powder/Water
0 min	Add Powder to Water	4 min	Add Powder to Water and Mix
5 min	Mixing and Vacuuming	1 min	Vacuum the Bowl
2 min	Pour into Flasks	1 min	Pour into Flask
1 min	Vacuum Invested Flasks	2 min	Vacuum Invested Flask
8 min	**Total Working Time**	**8 min**	**Total Working Time**

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

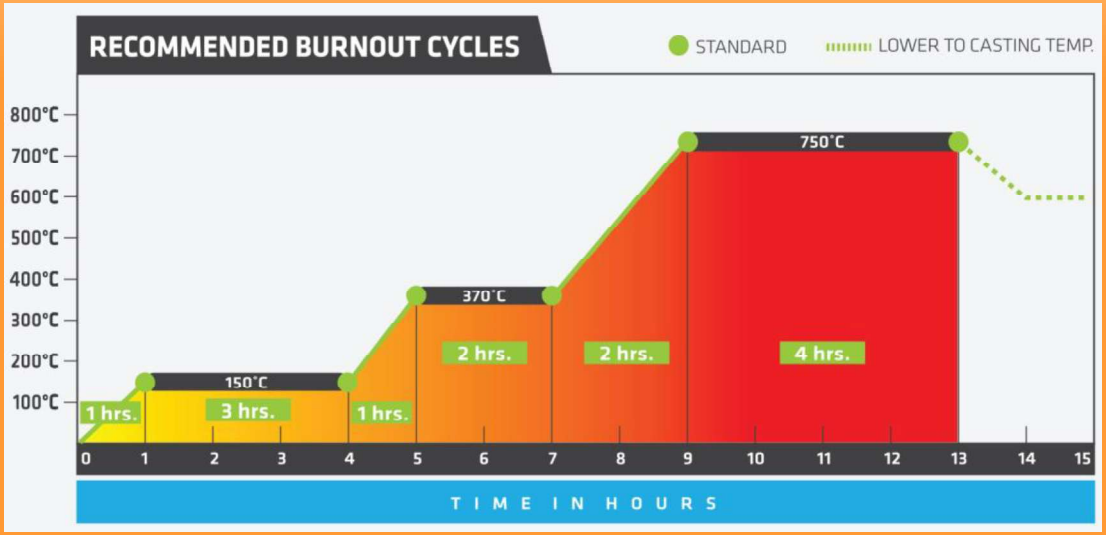


Specially sized high-purity refractory grains ensure smooth casting surfaces, providing a rich, creamy, and easily pourable consistency.
Uses only a special premium grade cristobalite from America.
Reduces surface tension on the wax, preventing air bubble formation during casting.
It contains controlled expansion properties compatible with all injection waxes and common plastic modeling materials.
Reduces time in finishing. Saves both time and cost.

TEKNİK DÖKÜM
KUYUMCULUK

CAST-AG
INVESTMENT POWDER

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



POWDER/WATER RATIO

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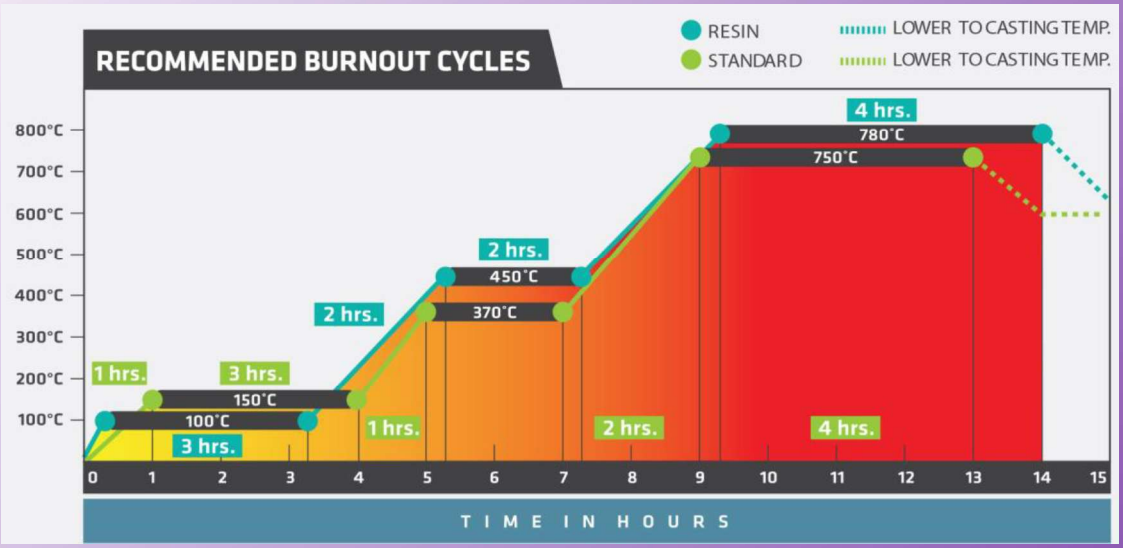


Mixes a thin, creamy, easy to pour consistency
Universal formula for a variety of casting applications
Controlled expansion properties that are compatible with all commonly used injection waxes
Variable water to powder ratio allows for a variety of mixing equipment and techniques to be used
Reduces surface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

TEKNİK DÖKÜM
KUYUMCULUK

CAST-RESIN
INVESTMENT POWDER

Cast-RESIN is a significant breakthrough by Teknik Döküm to develop a new generation, gypsum bonded investment that consistently provides superior, ultra smooth casting surfaces for a variety of today's pattern materials including; **standard injection waxes**, **carving waxes**, **resin patterns (DLP, SLA)**, **wax based polymers** and **hybrid wax / plastic patterns**.



POWDER/WATER RATIO

Powder/Water Ratio	Powder (Kg.)	Water (cc.)
Automatic Vac. Mixing.	1	380
Conventional Mixing	1	400
Water Temperature°C	21-24	21-24

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

STEPS OF MIXING

Automatic Vac. Mixing Machine		Conventional Mixing Machine	
0 min	Accurately Weigh Powder/Water	0 min	Accurately Weigh Powder/Water
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2 min	Pour into Flasks	1 min	Pour into Flask
1 min	Vacuum Invested Flasks	2 min	Vacuum Invested Flask
8 min	**Total Working Time**	**8 min**	**Total Working Time**

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



Super user friendly formula
Mixes easily to a creamy, pourable slurry
Incorporates environmentally friendly control chemicals
Superior temperature resistance in burn-out, up to 830°C
Reduces porosity and finishing time
Captures even the most delicate details Cast-RESIN is proven to provide ultra-smooth casting surfaces

TEKNİK DÖKÜM
KUYUMCULUK