

# HYDRACAST<sup>®</sup>

## CASTING PLASTERS



# APOLLO

For the casting of Brass, Silver and Yellow Gold up to 18ct Hydracast has travelled the world to source the highest quality, pure raw materials and additions, to ensure premier performing consistent products are produced.

Hydracast Apollo benefits from the high quality cristobalite that is tailored to our exact specification.

This competitively priced product produces excellent surface finish, a strong mould, and "cleans off" the casting easily. It is suited to both centrifugal and vacuum assisted casting methods, and, where vacuum flasks are used, a fast burnout cycle can be used.

Hydracast Apollo has been our greatest volume investment powder over the last decade, with a proven track record of success. Hydracast Apollo will meet the demands of casting Brass, Silver and Yellow Gold up to 18ct.



**GOODWIN REFRACTORY SERVICES**

Spencroft Road, Newcastle-under-Lyme, England ST5 9JE

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[WWW.GRSCASTINGPOWDERS.COM](http://WWW.GRSCASTINGPOWDERS.COM)



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Do not remove flasks from furnace to cast until they have been held at casting temperature for a minimum of 1 hour. If held for less than 1 hour, the core of the flasks will be at a much higher temperature than the digital temperature display states, and may result in metal mould reaction.

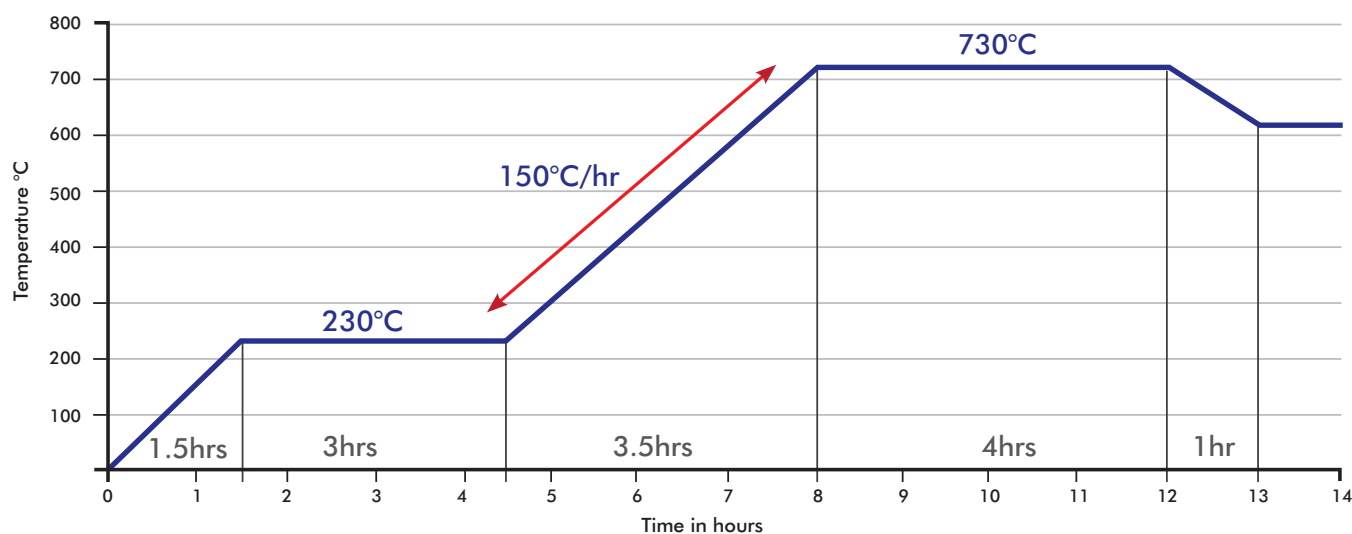
- Use de-ionised water
- Weigh water and powder
- Slurry temperature 21°C
- Leave for 90 min to stand before burnout cycle.

| WATER TO POWDER RATIO |        |
|-----------------------|--------|
| MACHINE VACUUM MIXING | 38:100 |
| HAND MIX THEN VACUUM  | 40:100 |

| MACHINE VACUUM MIXING      | Min. |
|----------------------------|------|
| Weigh out water and powder | 0    |
| Add powder to water        | 0    |
| Mix under vacuum           | 5    |
| Pour flasks                | 2    |
| Vacuum flasks              | 1    |
| Total time take            | 8    |

| HAND MIX THEN VACUUM        | Min. |
|-----------------------------|------|
| Weigh out water and powder  | 0    |
| Add powder to water and mix | 4    |
| Vacuum mixer bowl           | 1    |
| Pour flasks                 | 1    |
| Vacuum flasks               | 2    |
| Total time taken            | 8    |

### NORMAL BURNOUT CYCLE



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