

HYDRACAST[®]

CASTING PLASTERS



QUANTUM

For the casting of Brass, Silver and all carat Yellow Gold and high palladium White Gold. Hydracast Quantum is a superior quality gypsum-bonded jewellery investment powder which has been specially developed by our Research Team to meet the demands of the modern casting department.

It is an ideal investment powder for casting Brass, Silver and all carat yellow Gold and high palladium White Gold. It can be used for casting both by the centrifugal or vacuum assisted methods.

Hydracast Quantum is a robust investment yet still produces excellent quality castings with superb surface finish and fineness of detail. When mixed Hydracast Quantum wets up readily producing a slurry which has greater flow characteristics and allows for the finest of detail of the wax pattern to be faithfully reproduced; Hydracast Quantum also "cleans off the mould very easily.



GOODWIN REFRACTORY SERVICES

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

+44 (0)1782 663600

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.

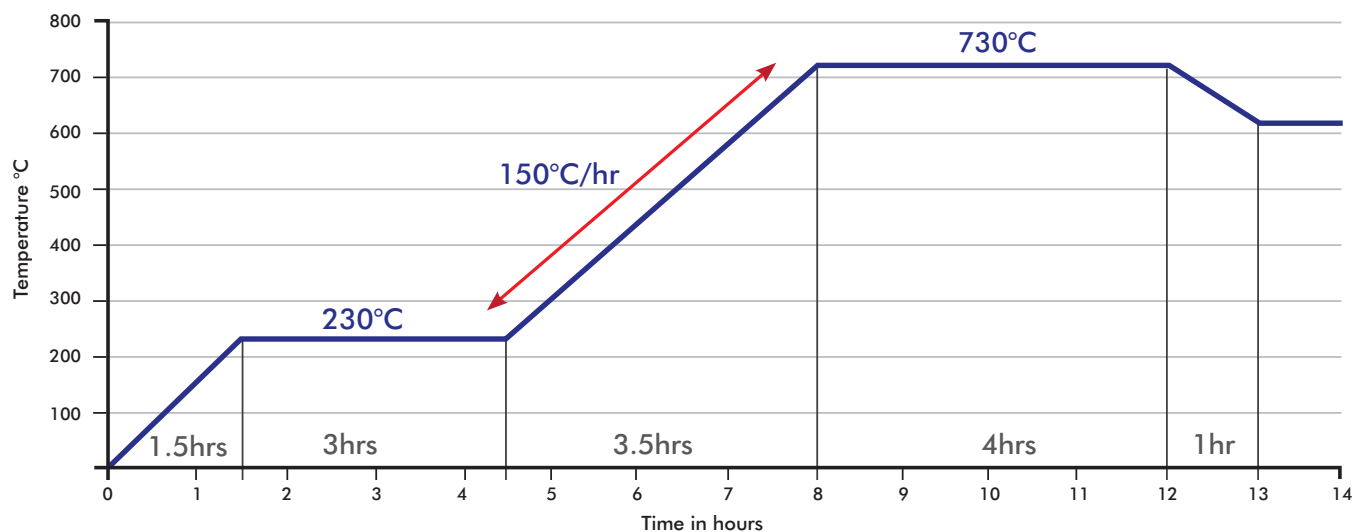
- Use de-ionised water
- Weigh water and powder
- Slurry temperature 21°C
- Leave for 90 min to stand before burnout cycle

| 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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