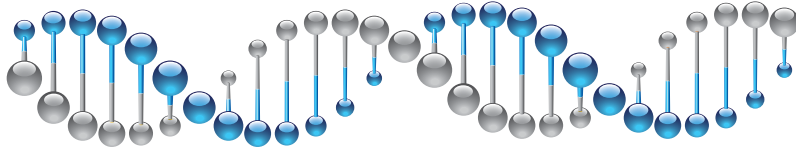




High Temperature Investment Powder

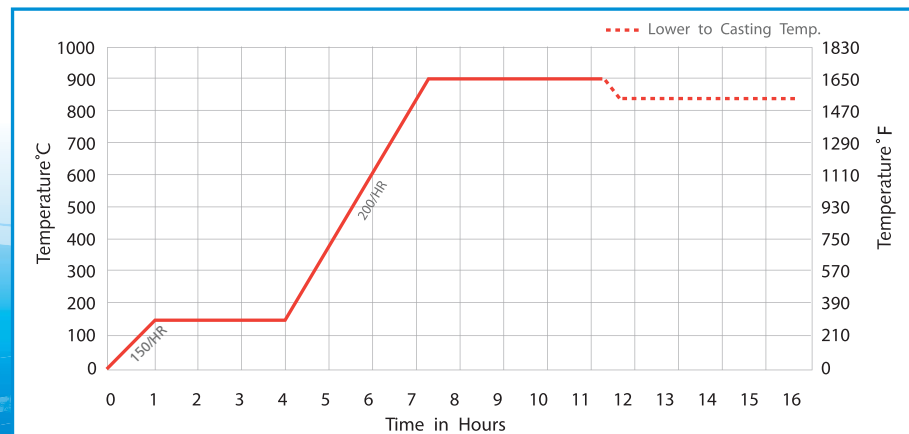


Pro-HT is a high technology phosphate bonded product designed for casting high temperature alloys such as Platinum and Steel with metal pouring temperatures up to 2100°C / 3800°F. Pro-HT has a high refractory content and fine particle size distribution, this produces high fired mould strength with precise detail replication of the wax pattern under the harsh casting conditions these alloys demand.

Pro-HT is packaged in aluminium foil bags to achieve a long lasting, consistent and high quality powder. Phosphate bonded powders are extremely moisture sensitive and exposure to atmosphere will degrade product performance. Please re-seal bag after use to ensure consistent results from start to finish of the bag.

Pro-HT is water based investment powder moulded using the traditional flask and rubber base system. Pro-HT can be mixed either by hand or using a vacuum mixer following the mixing instructions above right. After pouring, Pro-HT is to be bench set for a minimum of 2 hours before removing the rubber flask base and firing in a furnace using the Pro-HT burnout cycle.

Pro-HT is available in two product types, Pro-HT Platinum and Pro-HT Steel, each specifically designed to achieve optimum results in relation to the alloy being cast. **Note: These two products require different water to powder ratios - Please refer to product label on the front of the bag for the water ratio for your product.**



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.

Machine Vacuum Mixing	Min.
Weigh out water & powder	0
Add powder to water	0
Mix under vacuum	3
Pour flasks	1
Vacuum flasks	1.5
Total time taken	5.5

Hand Mix then Vacuum	Min.
Weigh out water & powder	0
Add powder to water & mix	0
Mix by hand	0.5
Mix with machine	1.5
Vacuum mixer bowl	1
Pour flasks	1
Vacuum flasks	1.5
Total Time Taken	5.5



See www.pro-ht.com for full technical data in other languages