

SRS SETTING THE STANDARD

Specialist Refractory Services Limited

SRS continue to strive for excellence and innovation in their products for the jewellery manufacturing industry worldwide. Through the extensive research and development efforts SRS ensure that they remain at the forefront of technology giving improved product performance for casters. This New **HOT INVESTMENT POWDER** provides a simple and effective means of producing high quality castings in platinum.

PLATINÓ

Platinó is a one part phosphate bonded investment powder designed to be mixed with water. Platinó will withstand the high temperatures involved in casting Platinum. Platinum can be cast at temperatures exceeding 2200°C leading to huge stress on mould materials in use.

It is essential that Investment powders maintain integrity and refractoriness at top temperatures so that fine detail is achieved on the finished parts.

Using actual platinum for test casting in it's own "hot metal" laboratory, SRS have developed Platinó.

This new product has been specially designed for casting platinum at temperatures up to 2200°C.



Platinó offers the following benefits to the jewellery caster:

- Platinó is a one part investment powder
- Platinó is easy to use – no need to add liquid acids or binders – just add water
- Platinó will give excellent surface finish and reproduced fine detail
- Platinó uses quality controlled raw materials from our own quarry graded especially for lost wax casting
- Platinó is highly refractory giving good margins for error at very high temperatures in excess of 2000°C
- Platinó is available in a 25kg re-sealable container

For more SRS products
please refer to the website...

www.srs-ltd.co.uk

SRS SETTING THE STANDARD

Specialist Refractory Services Limited, Amber Business Centre,
Riddings, Derbyshire, DE55 4BR, England.

Telephone +44 (0)1773 608969 Fax +44 (0)1773 540105 Email sales@srs-ltd.co.uk



PLATINÓ

The following technical information when adhered to allows for optimum results of the investment powder and castings. It is important that the instructions are followed closely throughout the production process.

Platinó Technical Information

Powder:Water ratio	100 : 32
Work Time	6 Minutes
Initial Set time	10-12 Minutes
Thermal Expansion @900°C	0.8%
Setting expansion 2 Hours	0.45%
Volume yield per kg powder	795ml

Packaging Storage

Platinó is supplied in standard 25kg packs with other sizes available on request. The packs need to be kept dry and used in rotation as contact with moisture and extensive storage will cause the investment powder to deteriorate over time.

Caution: Platinó under no circumstances should be used with or be allowed to be contaminated by other investment powders. For consistent results cleanliness is essential.

Mixing Procedure

Conventional Mixing	Time (Mins)
Add Powder to Water	-
Hand Mix	1
Machine Mix	2
Vacuum Bowl	1/2
Pour Flasks	1 1/2
Vacuum Flasks	1
Total mixing time	6

Vacuum Mixing	Time (Mins)
Add Powder to Water	-
Mix under Vacuum	1
Machine Mix	2
Scrape Blades	1
Mix under Vacuum	1 1/2
Pour Flasks	1 1/2
Hold under Vacuum	1
Total mixing time	8

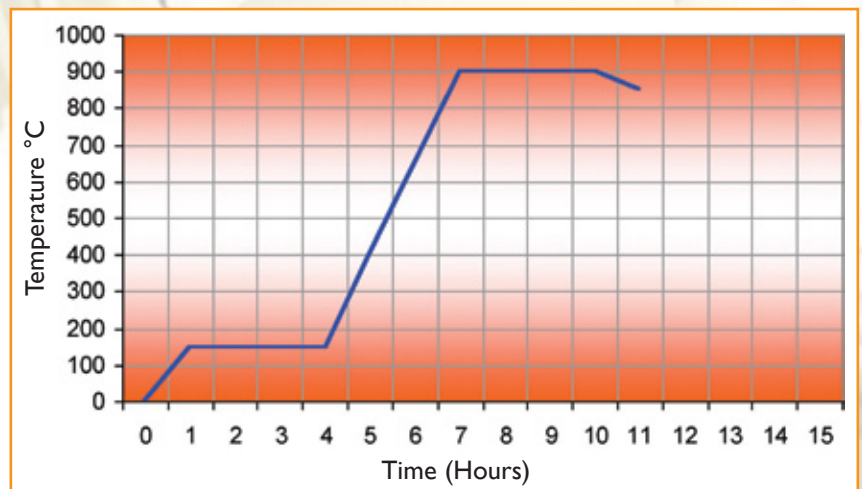
Do Not Disturb Flasks For 2 hours

Burnout Cycle

To ensure a clean and complete burnout it is necessary to reach a top temperature of 900°C / 1650°F in order to remove all of the carbon residue from the mould.

De-Vesting

To minimise clean off time 5-10 minutes after casting the flask can be placed in a water bath which will remove the majority of investment through the thermal shock.



Health & Safety

Caution: Platinó contains silica and is harmful by inhalation danger of cumulative effects. Do Not Breathe Dust