

-Easy Vest Premium Instructions for use-

Storage

- **Easy Vest PREMIUM** powder and liquid should be stored in a dry place at temperatures between **19-23° C**
- The liquid is sensitive to freezing and should not be stored below 5degC.
- Please dispose and use a new bottle if exposure to low temperatures has been suspected.

Working Temperature

- Investing should be carried out at temperatures of **19-23degC**.
- Great variations in working temperatures can have significant effects on Working time and expansion.
- The investment works equally well in heating overnight. A slow burning process show equally consistent results

Castings on CoCr. Alloy.	14 ml Liquid + 9 ml H2O
Casting on Noble/high Casting of gold crowns	9 ml Liquid + 14 ml H2O
Press ceramic Lithium Disilicat	7 ml + 16 ml H2O
	14 ml Liquid + 9 ml H2O

Powder to Liquid ratio

14ml AP Liquid + 9ml Deionised Water /100g Invstment

Note – the supplied liquid needs to be diluted as required using deionised water. A concentration of 58% (14 liquid:10 water) is recommended as a starting point for muffles between 100-200g scale. Please ensure that all liquids used are at **19-23degC**.

Spruing Technique

- Try to keep a space of at least 3mm between objects
- Avoid exceeding 2 objects on 100g muffles and 4 objects with 100g muffles (3 part Bridges deemed at 2 objects)

Investing Procedure

- Hand mix the Powder/liquid mix for 30-45 seconds prior to machine mixing (mixture may be quite viscous at first but will become more fluid throughout mixing).
- Mixing time (Vacuum mixer) – **2.5 minutes @ 300-400 RPM**
- Investing – Gently vibrate the ring using a dental vibrator avoiding excessive movement
- Working time – 6-7 minutes (at Room Temperature)
- Set time – 9-11 minutes (at Room Temperature)
- Allow to stand for 30minutes prior to speed heating (measured from start of liquid addition).
Note – use of higher liquid concentrations will result in working times and set times at the longer end of the specified ranges
- The investment may be removed from the silicone ring and sprue former after 20mins and further drying allowed uncovered for the remaining 10min bench set time.

Burnout

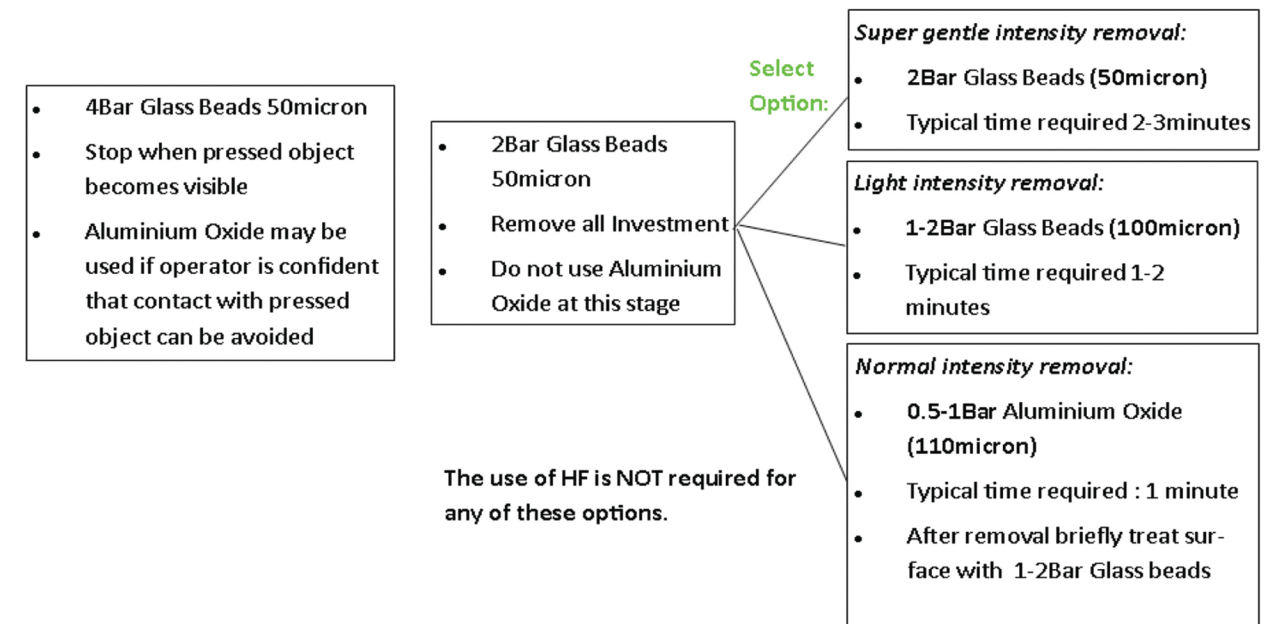
- Preheat temperature of burnout furnace should be at **850 Deg C**

- Please follow the manufacturer’s instructions for Ingot and Plunger pre-heat requirements and procedure.
- Place Investment muffle into the burnout furnace at 850 Deg C.
- Once 850 Deg C has been reached again, a **Hold Time of at least 45minutes should be applied for 100g investments**
- Transfer from Burnout furnace to Pressing Furnace must not take longer than 30seconds to avoid excessive temperature drop (cracking may occur below 650deg C)
Note – for larger investments of **200g**, please increase the minimum hold time to **60minutes**.

Pressing Procedure

-Please follow the Ingot and Press Oven manufacturer’s procedure-

Divesting



Note – final treatment with low pressure Aluminium Oxide followed by Glass beads affords a smoother surface but can affect the fit if carried out on inside of crow. Please use as per preference.

Typical setting expansion results at 20°C:

Setting Expansion %	0.86
Working time (mins)	7
Set Time (mins)	10

- This product has not been fully tested with debubblers and the use of these should therefore be avoided in case of any unforeseen interactions.
- Please ensure that all mixing equipment is dry and decontaminated prior to use
- The supplied liquid should be diluted with deionised water at 19-23degC prior to use.
- This investment material contains quartz powder and inhalation should be avoided.
- **Where supplied, examine the Freeze Indicator for a distinctive purple colour – if this is the case, the liquid may have frozen during transit or storage and should not be used.**