

INSTRUCTIONS

ULTRAVEST

Universal Investment Formula

- Recommended for use with all Crown & Bridge alloys (except Titanium alloys) and all ceramic systems.
- Graphite free, phosphate bonded product, with exceptional properties.
- May be utilized with conventional or fast casting techniques.
- May be utilized with all ring or ringless systems.

MIXING INSTRUCTIONS

Add 1 pouch of 100g Ultravest powder to 25 ml liquid/water combination. Mix under vacuum for 60 seconds. Pour mixture into ring until Ultravest has completely covered wax; vibrate on low if necessary. Continue filling ring without vibration until full.

MATERIAL TYPE	EXPANSION LIQUID CONCENTRATE %	ULTRAVEST LIQUID	DISTILLED WATER
Precious Alloy	60-65%	15.00 ml	10.00 ml
Precious Fusing Alloy	70-80%	17.50 ml	7.50 ml
Semi-Precious Alloy	65-70%	16.25 ml	8.75 ml
Semi-Precious Fusing Alloy	75-85%	18.75 ml	6.25 ml
Non-Precious Alloy	>90%	22.50 ml	2.50 ml
Ceramics	75-100%	18.75 ml	6.25 ml

Ultravest Hi-X Liquid also available for higher expansion values.

CONVENTIONAL BURNOUT

Allow ring(s) to bench set for 60 minutes. Place ring(s) into cold furnace and heat to final temperature of 850°C (1560°F) at a rate of 5-7°C (12-15°F) per minute. Do not stage temperatures. Cast as usual when final temperature has been achieved.

FAST BURNOUT

Preheat oven to 850°C (1560°F). Place ring(s) into furnace 15 minutes after mixing begins, (this time is very important). Ring (s) should be placed on a grooved tray or other similar apparatus to prevent direct contact between ring(s) and furnace floor. If a temperature other than 850°C (1560°F) is required, this may be adjusted after a hold time of 15 minutes at 850°C (1560°F). Cast ring(s) after 45-60 minutes at final temperature.

CERAMICS BURNOUT

Place ring(s) into cold furnace after a 60 minute bench set time. Proceed as usual with manufacturer's recommended heating rate, (temperature staging is not necessary with Ultravest). Process as usual.

Technical recommendations listed are based on inhouse qualified developmental testing. Values are approximate. Further information may be obtained by contacting Garreco at 800-334-1443 or 501-362-6261.

WARNING: Inhalation of silica dust is a health hazard. The use of respiratory protection is recommended. Please consult Safety Data Sheets for additional information.

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