

MULTI-VEST[®] INVESTMENT



Ideal for Casting Using Traditional Methods

A phosphate-bonded dental investment for casting cobalt-chromium and other high fusing precious and non-precious alloys. Provides smooth castings with a short working time while reducing the risk of flashing. Ideal for crown & bridge and partial denture frames.

Universal Expansion liquid can be used to adjust expansion, but is not required for use with Multi-Vest investment.

Typical Material Properties*

Color	Pink
Water/Powder Ratio	12 cc water to 100 grams powder by weight
Set Time	4½ - 5½ minutes
Set Expansion	0.1%
Compressive Strength	1,800 psi

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

Application Instructions

Cast

Duplicate master cast with Multiflex™ or Uniflex™ duplicating material.

1. Add 100 grams powder to 12 cc water and mechanically spatulate for about 20 seconds.
Note: For a large or unusually complicated cast, it may be necessary to use Universal Expansion liquid, which increases the setting and thermal expansion of the investment. Using Universal Expansion liquid will depend entirely on what the technician considers an accurately fitting cast.
2. Vibrate mix into duplicating material and allow to set from 45 minutes to one hour.
3. Dry cast in oven at 200 °F for approximately one hour.
4. Use a rosin or beeswax dip at a temperature of approximately 200 °F, or a cast spray, to prepare cast surface for plastic patterns.
5. Replace casts in drying oven to absorb any surplus rosin or beeswax on cast surface.
6. Proceed with wax-up.

Painting & Investing

The wax and plastic patterns should be sprayed with a detergent or commercially available surface tension reducing agent. Paint the pattern with investment mixed in a ratio of 14 cc water to 100 grams investment. Allow to set. Invest the painted pattern with investment mixed at 14/100 ratio. A vacuum technique may be used. Either a one-piece casting ring or a removable split ring may be used. It is not necessary to have a casting ring around the investment during burnout or casting.



RANSOM & RANDOLPH

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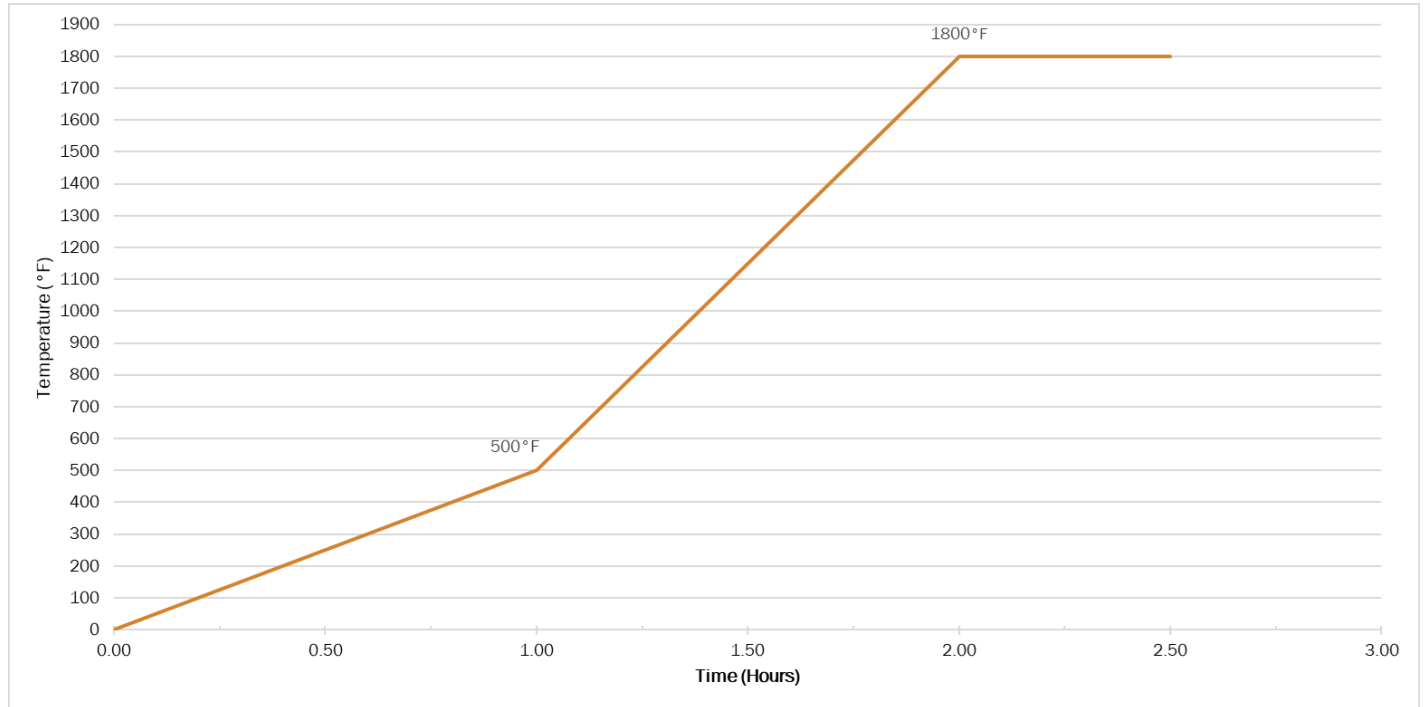
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Wax Elimination/Burnout

Allow ring to set one hour before burnout. If allowed to set longer, soak ring in water approximately 10 minutes before burnout. Place ring in cold furnace and heat to 500°F over one hour. Over the next hour, raise to 1800°F. Hold at 1800°F for 30 minutes or longer and cast as usual.



Storage

Investment materials are subject to deterioration when exposed to the atmosphere. Store this product at 59-86°F. Keep container tightly closed once seal is broken to protect contents from moisture and high humidity.

Safety

Danger. Contains crystalline silica. May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated exposure by inhalation. Do not breathe dust. Wash hands thoroughly after using. Do not eat, drink, or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. In case of inadequate ventilation wear respiratory protection. If feeling unwell, get medical advice/attention. See SDS for more information.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user. All potential liability related to the sale and use of this product is limited to the cost of the particular goods sold in their respective transactions.



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