

AQUAMEX™ WATER MIX OXYPHOSPHATE INVESTMENT



Aquamex is an oxyphosphate-bonded investment that uses water as a binder. It is used for partial denture fabrication. Burnout in a gas or electric oven.

Duplicating

Soak master model in water for 30 minutes. Blow off excess water from model and duplicate with Uniflex™ duplicating material. Once duplicating material is hard, totally immerse the flask and duplication material in a warm water bath at 110-115 °F (43-46 °C) for 5-10 minutes.

Making a Model

	Mechanical Mix	Hand Mix
Powder	200 gm	200 gm
Water	22 ml (0.78 fl oz)	23 ml (0.74 fl oz)
Mix Time	60 seconds with vacuum	90 seconds

Use cold water to extend working time.

NOTE: Investment should reach a semi-fluid viscosity for a 200 gram mix, up to 2 ml can be added to reach a thinner mix.

Remove impression from water bath and gently blow out excess water. Fill impression with investment while vibrating. Remove from vibrator. Allow model to harden for 20 minutes then remove from the impression. Trim model, place in 375-425 °F (190-218 °C) oven for 45 minutes. Then while hot, dip it for 40 seconds in model dip. Remove from dip. Allow to dry in a way so no pooling occurs. After 30 minutes wax-up. Paint the wax-up with a *very thin* coat of Protective Coat Liquid and shake off any excess. Place and stick model on ring base and over that, the ring.

Investing

	Mechanical Mix	Hand Mix
Powder	600 gm	600 gm
Water	70 ml (2.37 fl oz)	73 ml (2.47 fl oz)
Mix Time	60 seconds with vacuum	90 seconds

With ring on vibrator, pour investment into ring until wax-up is covered. Vibrate mix *out* of ring until there is a thin bubble-free thin coating covering the wax-up. Vibrate the mix *back* into the ring until filled. Remove the ring immediately from vibrator. Bench set for 60 minutes.



RANSOM & RANDOLPH

3535 Briarfield Boulevard, PO Box 1570 | Maumee, OH 43537 USA
800.253.4502 | 419.865.9497 | 419.865.9997 (FAX) | www.ransom-randolph.com

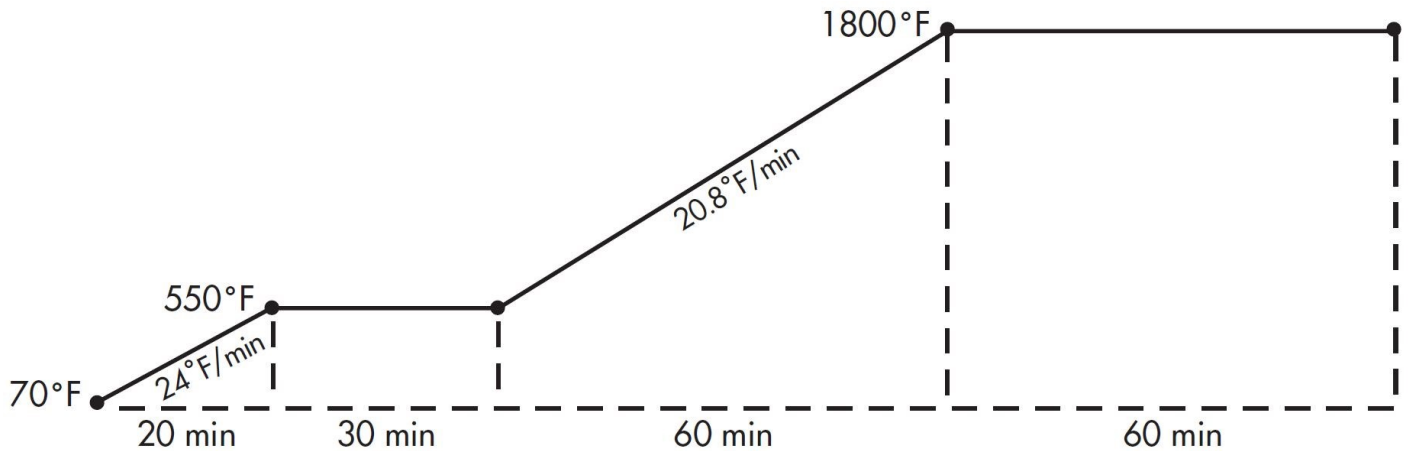


Investing with Innovation™

AQUAMEX™ WATER MIX OXYPHOSPHATE INVESTMENT

Burnout

From	To	In	Hold	Raise To	In	Hold
70°F (21°C)	550°F (290°C)	20 min	30 min	1800°F (982°C)	60 min	60 min



Storage

Keep investment pail tightly closed when not in use (the material is hygroscopic and can deteriorate).

Technical Tips

For additional information and recommendations, refer to the Dental Investment Defect Analysis Guide Technical Tip available for download at www.ransom-randolph.com.

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.



RANSOM & RANDOLPH

Issue Date: February 5, 2021

3535 Briarfield Boulevard, PO Box 1570 | Maumee, OH 43537 USA
800.253.4502 | 419.865.9497 | 419.865.9997 (FAX) | www.ransom-randolph.com



Investing with Innovation™