

CB-30 High-Heat Crown & Bridge Investment



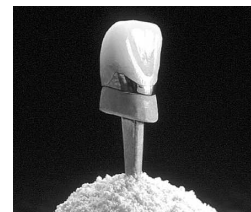
- ★ **CASTS MOST ALLOYS WITHOUT A RING**
- ★ **CONTROLLED EXPANSION THROUGH ITS SPECIAL "ALL-SEASON" LIQUID**
- ★ **A PROVEN HIGH-HEAT, CRISTOBALITE INVESTMENT**
- ★ **HIGH STRENGTH TO IMPROVE CASTING SURFACE FINISH AND YIELD MORE ACCURATE CASTING DIMENSIONS**
- ★ **CONTROLLED MIXING REACTION TO PREVENT UNWANTED BUBBLES**
- ★ **VERY FINE-GRAIN WITH THE CONSISTENCY OF HEAVY CREAM**
- ★ **EASY TO DEVEST**
- ★ **SIMPLIFIED TECHNIQUE**
- ★ **CONSISTENT FIT**

Proven in dental laboratories around the world to yield consistent, quality results, CB-30 Crown & Bridge Investment can satisfy even the most demanding technician.

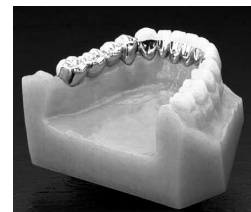
Years of successful commercial laboratory use has proven CB-30 to be the ideal investment for use with gold ceramic, semi-precious and non-precious crown & bridge alloys. CB-30 is a high-heat, oxy-phosphate investment with an extremely refined grain. Through this "carbon-free", refined grain and its temperature-immune liquid binder, CB-30 provides the type of controlled expansion necessary to yield extremely smooth castings with excellent die adaptation.



Fast, Easy Mixing and Smooth, Cream-Like Consistency for Trouble-Free Pouring (Specially Formulated Debubblerizer Available for Optimum Results)



Exact Fit, First & Every Time Eliminates Frustration and Minimizes Remakes



Superior Strength and Resistance to Cracking Makes CB-30 Ideal for the Largest of Castings

SPECIFICATIONS

Working Time: 5 Minutes

Setting Required Prior to Burnout: 1 Hour

Setting Expansion: 0.5%

Thermal Expansion: 1.5%

Burnout Temperature: 1600-1700°F (871-927°C)



DIVISION OF CMP INDUSTRIES LLC
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PRODUCT INFORMATION

CB-30

Directions for Use

(PLEASE READ COMPLETE DIRECTIONS BEFORE STARTING)



PROCESSING

- 1) Attach sprues to the wax pattern using accepted laboratory procedures.
- 2) Wash pattern with CB-30 Debubblelizer (#2817), shake off excess, but **do not dry pattern**.
- 3) CB-30 works well with all ringless techniques. If a ring system is utilized, line the casting ring with Ring Liner (#2811). Dip liner in water for approximately 10 seconds, shake out excess and position in rubber base.
- 4) Suggested ratios for CB-30 liquid are listed below. Some slight adjustments may be required depending on the conditions in a particular laboratory.

CB-30 LIQUID RATIOS		
Type	Special Liquid	Distilled Water
High Gold	50%	50%
Gold Type III	50%	50%
High Palladium	75%	25%
Silver Palladium	75%	25%
Non-Precious	80%	20%

- 5) Powder to liquid ratio, using pre-mixed special liquid:

CB-30 POWDER to LIQUID RATIO	
Powder	Special Liquid
100 Grams	18 cc
90 Grams	16 cc
60 Grams	11 cc

- 6) Wet mixing bowl and shake out excess water. Pour liquid into mixing bowl, then **add powder to the liquid**. Hand spatulate for 15 seconds until the investment is wet, vacuum for 30 seconds and invest using **LITTLE OR NO VIBRATION**.
- 7) If vacuum is not available, incorporate powder and liquid thoroughly by hand spatulating for 30 seconds followed by mechanical mixing for 30 additional seconds to assure a smooth, creamy mix.
- 8) Invest using an artist's brush pushing the investment **forward into the crowns** being careful not to trap air. Again, use **LITTLE OR NO VIBRATION**.
- 9) Allow the mold to bench set for 1 hour before beginning burnout.
- 10) Place mold in a room temperature oven and raise temperature 15-20°F (8 to 11°C) per minute. Heat soak for 1 hour at alloy manufacturer's recommended temperature (*add 10 minutes for each additional mold*).
Note: Most molds should be heat soaked at 1600-1700°F (871-927°C). However, the mold temperature can be reduced to 1250-1350°F (677-732°C) after heat soaking when casting gold alloys.
- 11) Deflask and finish casting using accepted laboratory procedures.

WARNING
This Product Contains Free Silica

Inhalation of dust may be harmful to your health and excessive inhalation will increase the risk of serious respiratory disease (silicosis). Take appropriate measures to avoid breathing dust.
Immediate clean-up of spills is highly recommended.



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