



Application Type	Description
<i>Night Guard</i>	Protects teeth from effects of nighttime grinding
<i>Clear Palates</i>	Provides a more natural appearance and clarity that allows natural color of tissue to show through the palate.
<i>Surgical Stint</i>	Essential for implant fixtures to mark the proper placement and guide the surgeon in positioning to located the final tooth position and mark them accordingly.
<i>Clear Denture</i>	To determine the placement of the implant through the occlusal table of the Posteriors and lingual of the Anteriors.
<i>Orthodontic Appliance</i>	Clear appliance with exceptional labor savings

### **INSTRUCTIONS**

1. Wax appliance to desired detail. The stone cast must be trimmed for easy withdrawal from hydrocolloid mold. A 1/8" wide shelf must be trimmed by the peripheral roll. This shelf will support the stone cast in the hydrocolloid. Wax sprue leads must be added before some appliances are poured in hydrocolloid. Wax sprue leads are normally only added on partials. The wax sprue lead is typically a 6 to 8 gauge round wax for an averaged size denture. The sprue lead should be sealed.
2. Place completed wax up, teeth face down, in a solution of Cast Conditioning Concentrate (Item #4492-00) and water for twenty (20) minutes static soaking, letting the air escape through the base of stone cast. This will help prevent air bubbles in the acrylic.
3. Place waxed stone cast in a Fricke Pour Flask (Item #4720-00) with posterior teeth always facing sprue holes. Place rubber plugs in sprue holes of the flask.
4. Leave top plate of flask off and pour Echo® hydrocolloid (Item #8888-02) to the side of the stone cast, pouring at 130° F (±2°). Do not pour directly on the wax up. Assemble top plate and clip. Place extension ring on top plate and fill with Echo® hydrocolloid.
5. Bench set for five (5) minutes.
6. Place flask in pan of cool, circulating water submerged ¾ of its height for thirty (30) minutes, depending on environmental temperature. Additional time may be required. Do not fully submerge the flask in water.
7. Remove rubber plugs from flask. Remove wax cast from hydrocolloid. If cast is difficult to remove because of undercuts, remove hydrocolloid mold from flask, take a sharp knife and slit anterior along with both heels, then remove the model. Proceed to take Sprue Borer (Item #4720-20) and prepare sprue hole and vent. Make sure there are no shavings of hydrocolloid left in mold. Place hydrocolloid mold back in flask and place a damp towel over mold.
8. Boil off wax for approximately 6 minutes. Clean stone cast with a dye free and perfume free granular detergent and water solution. Rinse in hot, clean water. Care must be taken to assure that all wax and detergent are removed prior to their return to the mold.



9. Static soak in water for several minutes and apply a thin coat of Vita-Sep™ (Item #3505-09) to slightly heated model. Make sure it is completely dry and at room temperature before placing back in hydrocolloid mold. (See IN.723.009.R0 for complete Vita-Sep™ instructions.)
10. Make sure hydrocolloid mold is completely dry.
11. Place stone cast back in hydrocolloid mold making sure it is seated.
12. Assemble Flask.
13. Measure **30cc UNIVERSAL CLEAR** and add to **18mL UNIVERSAL BLUE TINT MONOMER**. Pour no more than one case at a time. Always add powder to liquid! Mix for 15 seconds. Monomer may be refrigerated for extended working time.
14. Pour acrylic in one sprue hole side letting the other serve as an air vent.
15. Place flask in pressure pot unit at **110° F(±2°)**, 2/3 of flask height in water with sprue holes upright. Make sure seal on pressure unit is clean. If pressure loss occurs, it will create an improper cure.
16. Apply **15 to 30 pounds of pressure** and cure for **30 minutes**. Cool flask and separate.

**Caution:** Avoid prolonged handling of uncured mixture and inhalation of monomer vapor. Wear protective gloves when handling uncured resin mixture.

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