

DVA Zap-Form Partial System Fabricating a Wax-less Partial in Minutes!

The development of new products continues to simplify the procedures of the dental technician. Several of these new product developments, designed to improve the final product, while saving considerable labor time, are represented in this short instruction piece that displays how one can complete the addition of the teeth and saddle areas to a cast partial framework without ever leaving your seated working station. You can totally eliminate having to go to the plaster bench to flask the case, or work at the boil-out tank. All of the dangers of deflasking and breaking the case out are totally eliminated. The labor involved in the addition of the teeth and saddle areas are reduced to merely minutes. Now, that's a way to make money on your partial dentures.



Fig. 1

Fig. 1 Fabricate, finish and polish your framework in the normal manner and position it on the model. Take a medium-size piece of the DVA ZAP-PUTTY between your fingers and mold it until it loses some of its 'tightness.' As the Putty becomes warm, apply the proper amount to the saddle area and press firmly while forming a flange on both the bucco-labial and lingual areas. Leave enough space to accommodate your replacement teeth. If necessary, trim teeth to allow proper positioning into the putty-up. This unique putty will ultimately serve as your 'wax-up!'



Fig. 2

Fig. 2 Pull the required replacement teeth from the card and remove any remnants of wax. Create any desired diatorics and set the teeth into their normal alignment in the pre-positioned Zap Putty. Check and adjust the teeth into normal occlusal position against the opposing arch.



Fig. 3

Fig. 3 Using a rather sharp instrument, cut away any excess Zap-Putty to outline the desired gingival, bucco-labial and lingual outlines.



Fig. 4 When contouring the lingual areas, make certain not to express the Hot Melt Compound over the entire lingual area. Only pick-up detail down to the lingual gingiva. Do not cover entire lingual flange, as space needs to be available for the later pouring of acrylic.



Fig. 5 Use a blunt instrument to finalize the contouring of all gingival and flange areas into their desired form.



Fig. 6 The special Zap-Putty formula can simply be rubbed with your finger to form a smooth surface. If desired, use a bristle brush to create stippling effects.



Figs. 7, 8, 9 Using the Zap-Form Hot-Melt Pistol, apply the Hot Melt Compound over and around the entire wax and teeth configuration to form a matrix that will serve as the final acrylic form. Carefully, capture all details on both labial and lingual sides of the appliance; make certain to extend the matrix material to include some of the occlusal and peripheral roll areas; thus, forming a proper re-seating key.





Fig. 10



Fig. 11

Figs. 10 & 11 Once the Hot Melt Compound has totally cured (about three minutes), remove it from the model. The teeth should lift away with the cooled matrix. If, however, they come out, merely replace them firmly into their proper position in the matrix. The Zap Putty should also come away from the framework. Take a moment to use the putty mass and “dab away” any small putty remnants from the model or framework.



Fig. 12

Fig. 12 Any and all undercuts around the abutment teeth or under clasps may be easily blocked out prior to pouring the acrylic by using a sharp instrument to position and trim small portions of the Zap Putty into the areas needed.

Paint the working saddle and adjoining areas with separator (*DVA's Acrylic-Plaster Separator* has proven extremely effective). Re-position and seat the matrix that has been formed. “Lock” the matrix into its keyed position by tacking a few areas with the addition of several small beads of the DVA Hot Melt Compound.

You are now ready, after 5 to 10 minutes of preparation, to simply pour and fill the matrix with a high-quality cold cure pour acrylic, such as Heraeus/Kulzer's new Pala-Express Ultra, which contains new formula chemistry that prevents discoloration of the acrylic. Just follow the manufacturer's instructions for measuring and mixing the acrylic and then pour the acrylic from one area in the lingual opening and allow the mold to fill completely until excess material is ready to flow out and over the open area. Finito! It's that simply. As our customers say, “Time saved; money made!”



Now that you've experienced the unique characteristics of DVA's Zap Putty, try using it during all applications requiring the need to block-out undercuts and other anomalies in both fixed and removable procedures. As shown in the figure to the left, Zap Putty is being used to block-out the space beneath the denture retention bars prior to duplicating. How much simpler can it be!

DISCLAIMER

Zap-Form with Hot Melt Compound accurately replicates a dental crown preparation when used as directed. The system has been tested with satisfactory results each time. The user of this product acknowledges that fabrication skills and techniques vary among dental technicians and that Dental Ventures of America, Inc., or their agents shall not be liable for any unsuccessful outcome, in fit or delivery, of a prosthesis fabricated using the Zap-Form Die and Resin System

IMPORTANT

DVA's Hot Melt Compound is specifically formulated to work with the Zap-Form System. **DO NOT attempt to use other types of compounds or crafting glues, as it will cause in-accurate fabrication of dental appliances. DO NOT attempt to adjust a crown/bridge using a high speed handpiece or lathe while the restoration is seated on a Zap-Form Transfer Die, as IT WILL DISTORT THE COMPOUND.**

WARNING

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

1. Work environment should be clean, dry, well lit and clear of flammable materials.
2. Do not use outdoors or near water.
3. Do not expose pistol to rain, moisture, or direct sunlight.
4. Keep away from children and store locked up when not in use.
5. Do not carry gun by cord or unplug from outlet by pulling electrical cord.
6. Disconnect gun when not in use.
7. PROP 65 WARNING: The power cord on this product contains lead, a chemical known to the State of CA to cause birth defects and other reproductive harm. Wash hands after handling. ANSI Z87.1



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