

Dual Laminate

Hard-Soft Material

THE "QUICK" VACUUM FORMED BRUXISM SPLINT

The Pro-Form "Dual Laminate" is a unique combination of two materials formed into a single laminated sheet especially designed for functional service in bruxism cases. The "Dual Laminate" is easily fabricated with a simple vacuum process.

INSTRUCTIONS FOR USE:

1. It is recommended that a duplicate model be made in case the master model is broken during processing.
2. Limit the vertical height of model from base to incisal - we recommend that you horse-shoe model by removing the lingual area.
3. Preheat machine until heating element turns red hot - usually takes about 2-3 minutes.
4. Due to the difference between the thermal indexes of the 2 sides, it is necessary to heat the soft side FIRST. Place the soft side of the laminate facing up towards the heating element. Heat for 1 ½ to 2 minutes or until the glaze is visible on the soft side. *Note:* Each machine may be different. If you burn the soft layer (turns brown), lower heating time in increments of 5 seconds until desired results are obtained.
5. After soft side is heated, flip laminate over and heat the hard side for 10 to 15 seconds. *Note:* Hard side of material scorches and bubbles easily.
Tip: Buy some inexpensive cotton gloves - wet them thoroughly so you can flip material easily - you can also use them later to adapt laminate onto model.
6. Lower heated material onto model. Activate vacuum motor. Use wet paper towel or wet cotton gloves with cold water and press the laminate onto model for improved adaptation.
7. Allow the vacuum to remain on for about 1 minute for good adaptation. Allow 10 minutes for cooling or place in cold water.
8. Trim laminate from model (we recommend the wheel saw, item #9630100).
9. For maxillary appliances, trim dual laminate into a horseshoe shape.
10. The final finishing and polishing of the appliance may be accomplished by trimming the edges of the dual laminate with a pear shaped cross cut bur (item #9139810). To remove frayed edges use Hatho Miniature Scotch Brite wheels (item #1670091). To finish, complete final polishing with a lathe wheel, wet pumice or acrylic polish.
11. Acrylics can be added to the occlusal surface to modify to a desired shape. Cold cured, press packed, poured, or injection acrylics can be added to the dual laminate. Simply make sure the dual laminate is cleaned with liquid monomer before adding acrylic. Proform recommends a semi-flexible acrylic for build up.

Helpful Suggestions:

- A) If using the dual laminate as a base in a splint appliance, you may wax the desired shape onto the laminate, invest, boil off the wax, and then process acrylic into lost wax area. Proform recommends a semi-flexible acrylic as it will flex more than conventional acrylic so it will not fracture under mastication.
- B) If you are going to add acrylic to occlusion plane of laminate, you may want to drill all the way through the laminate and let acrylic flow into this orifice. This will create a solid stop to help with potential cracks due to stress factors.

