

D-PAS Construction with Eclipse

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D-PAS Construction

1. Make sure model is dry
2. Place a thin coat of Pledge/Future premium floor finish on upper model, using a long handle paint brush.
3. Allow model to dry under blow dryer for 3 minutes



Grumbacher long handle art brush size 6.

D-PAS Construction

4. Place a thin coat of Eclipse Air Barrier Coating on upper model
5. Allow model to dry under blow dryer for 5 minutes



D-PAS Construction

6. Check the temperature of model with Ryobi Infrared Thermometer. Let the model cool until it is 100°F. Eclipse works best at this temperature. Too hot and you will have a gooey mess, too cold and the material is too rigid to mold.
7. Smooth a very thin layer of Eclipse Model Release Agent on model



D-PAS Construction

8. Open one Eclipse Clear Prosthetic Resin Upper Baseplate Material. Score the eclipse in the middle with a buffalo knife. A rapid quick snap will break the eclipse into two piece while still in the plastic. Too slow a snap only bends the eclipse. Use a rapid quick separation of the plastic from the eclipse section you want to remove. Leftover material can be stored in an Air Techniques X-ray Plate Transfer Box



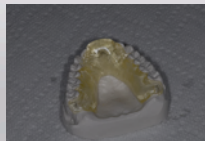
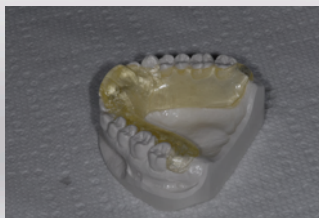
9. Take the eclipse half and roll it to about 12mm thickness, (about the thickness of a sharpie fine point marker).

10. Form it into a horse shoe shape. Have slightly more thickness in the anterior portion where the anterior stop will be. Place the eclipse on the lingual of the model



D-PAS Construction

11. Use your fingers to work the resin around each tooth, and form a small wing behind each of the last teeth, sculpt an anterior stop the width of the central incisors

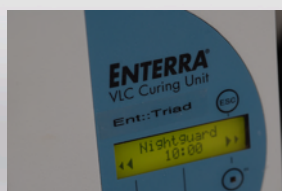


D-PAS Construction

12. Smooth a thin layer of Eclipse Air Barrier Coating on orthotic



13. Place the model in the Enterra VLC Curing Unit, on the Eclipse night guard setting for 10 minutes



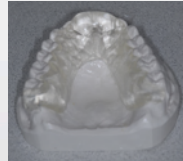
14. Take model out as soon as the cycle is finished, and while holding it under running cool water scrub off the air barrier coating, and gently start to work the appliance off of the model with a buffalo knife



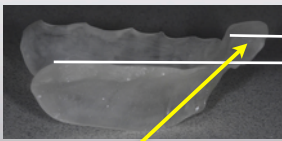
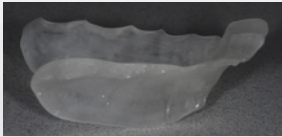
15. After the appliance & model are separated make sure you scrub off all of the remaining air barrier coating



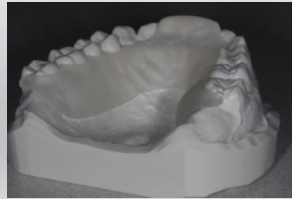
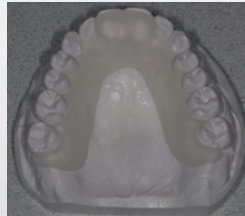
16. Trim the appliance with a carbide cutter, and polish with a fine scotch brite brush and #12 soft bristle brush



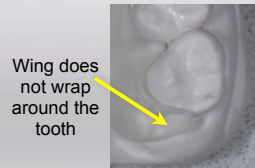
D-PAS Orthotic Diagnostic Palatal Anterior Stop Orthotic



The anterior stop is parallel to the occlusal plane, which will be roughly perpendicular to the arc of closure



Wing is off the tissue



Wing does not wrap around the tooth

D-PAS Variation: No Room for Wing

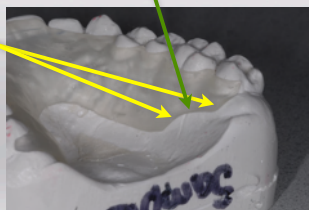
If there is not enough room behind the 2nd molar for a wing, make a flat area on the lingual flange to lift the appliance out.

Be sure the appliance is tapered enough to not rub a sore on the tongue.



Lift area

Smooth into tissue



D-PAS Supplies

Impression

Reflection Firm Putty Patterson item # 085-4729
Reflection Monophase Fast Set Patterson item # 085-4489

Model Prep

Pledge Future Premium Floor Finish Walmart 27 fl oz
Air Barrier Coating Eclipse Dentsply Patterson item # 274-2260
Model Release Agent Eclipse Dentsply Patterson item # 274-2278
Ryobi Tek4 Professional 4-Volt Infrared Thermometer Home Depot

Appliance Material

Enterra VLC Curing Unit Dentsply Patterson item # 173-4300
Eclipse Dentsply, 12-Upper Baseplate Shade-Clear, Patterson item # 274-1353

Finishing Supplies

F8 Silicone Polishers pack of 6 Preat Corporation item # 06000F8
1-800-232-7732/ 805-693-8666
Scotch Brite Brush 1", fine, 5,000 RPM Patterson item # 534-3579 12 brushes
Abbot Robinson Bristle Brush #12 Soft KOMET item #: AR9464.HP.190
Carbide Cutter KOMET item #: H351.HP.070

Delivery

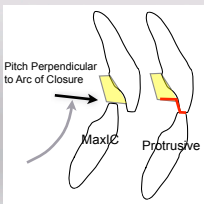
Clearfil Photo Bond Universal Liquid Patterson item # 521-7567
Clearfil Photo Bond Catalyst Liquid Patterson item # 521-7559
Triad Gel Clear Colorless/Transparent, 4-22g tube.s Dentsply Patterson item # 276-7176
Pure Glycerin USP (99.5% Anhydrous) CVS 6 FL oz

Delivering the D-PAS Orthotic

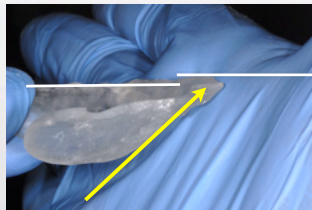
Try in Shell.
Determine if loose fit or tight fit.

Mark with Black Accufilm

Adjust so occlusal table is perpendicular
with arc of closure and two or three
incisors are in even contact



Some Hints



The anterior stop is roughly parallel to
the occlusal plane, which will be roughly
perpendicular to the arc of closure

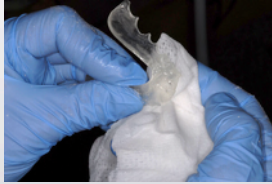
Use a new Preat Polisher, move it back to
front so it will leave fine striations. All
polishing is done back to front leaving a matt
finish with fine striations. Any side to side
parafunction movements by the patient will
leave track marks going across the striations



Constantly check to make sure
posterior teeth are not in
contact. With a strong clench,
articulating ribbon should freely
be able to be pulled through
the back teeth.



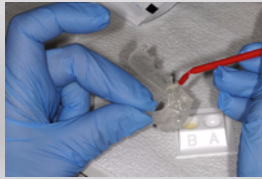
Once orthotic is adjusted it is now ready to reline. If loose fit, reline the whole orthotic. If good retention already, only reline the front



Wipe with Ethyl Alcohol



Apply Photo Bond to tissue side



Cure 4 Seconds
Valo Curing Light
High Power Setting



Apply even layer of Triad clear gel, 2mm thick on tissue side in either front section only, cuspid to cuspid, or the whole orthotic depending on retention desired

Seat in mouth

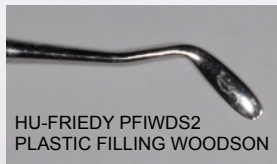
Wipe away Excess



Carefully Cure.

Triad gel will get very hot if cured too fast. I use Valo light in high power mode and keep the light moving so no one area has light for more than 0.25 seconds at a time. All surfaces are exposed including the palate and distal to the molars.

Using a PFI Woodson get under the edge of the orthotic distal to the molars and lift. If it comes off remove the orthotic. If it partially lifts off, use your finger in the same manner as the PFI to partially lift the orthotic and slip the PFI Woodson between the orthotic and the first molar. This will give you a good purchase point to leverage the orthotic off the teeth.



HU-FRIEDY PFIWDS2
PLASTIC FILLING WOODSON

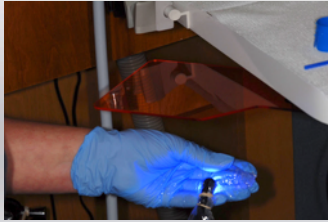


Finger Pressure



Cover all new Triad surfaces with Glycerin to cure the air inhibited layer

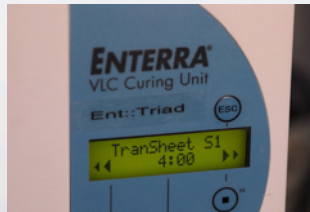
Cure 4 seconds each surface



Scrub 15 seconds with Chlorhexadine soap.
Rinse with water



Cover entire orthotic with Air Barrier Coating and cure in Enterra Curing Unit, Triad TransSheet setting for 4 minutes



Enterra VLC Curing Unit
DentsPly

Finish and polish



Carbide Cutter KOMET item #: H351.HP.070



F8 Silicone Polishers, pack of 6
Preat Corporation item # 06000F8
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Scotch Brite Brush 1", fine, 5,000 RPM
Patterson item # 534-3579 12 brushes

Final Shine:
Abbot Robinson Bristle Brush #12 Soft
KOMET item #: AR9464.HP.190

