

DuraTemp[®]

Exclusively From
Burbank Dental Laboratory



"...the restorative dentist must clearly understand the esthetic expectations of the patient, and the patient must understand the inherent limitations of any type of restorative therapy. One often neglected modality at the clinicians' disposal to aid in the communication between the dentist and patient is the provisional restoration."

** Terry E. Donovan, DDS, & George C. Cho, DDS, J Can Dent Assoc 1999: 65:272-5*

Advantages to lab-processed DuraTemp[®] provisionals

Protect and shape tissue — One of the most important clinical concerns while a case is temporized is preserving the health of, and preparing the shape of, the tissue. Proper gingival contouring of provisionals is, therefore, the critical foundation for success. Lab-processed DuraTemp[®] are the best way to be assured of superior design and finish to protect and shape your patient's tissue. The highly glazed finish also ensures good tissue health.

Saving you valuable chair time — Creating properly contoured and esthetic provisionals takes a significant amount of auxiliary and chair time. DuraTemp technicians do all of the design and finish work so that you have quick clean-up and minimal chair time to reline.

Eliminate surprises in the final seating of ceramics — The DuraTemp design team members build in your specific requirements, minimizing disappointed patients at placement of final restorations. Your starting point with placement of DuraTemp will give you immediate feedback from your patients, allowing you to alter design if needed and get final approval before even beginning the ceramics. Simply take an impression of the adjusted DuraTemp in place, and send it with your final prepped impressions. Burbank's Smiles By Design technicians will use the model of the temps as a design template for the final ceramic restorations.

Lab processed vs. direct provisionals

When is it advantageous to use lab-processed provisionals, and when is direct technique the best solution?

Direct technique

For anterior veneer cases, direct is the popular choice among most clinicians. The preferred method seems to be using a wash-lined putty impression taken of a quality wax-up, and then curing a bis-acryl in the mold. These typically are not cemented, but rely on material shrinkage and undercut to hold them in place. Clean-up is done in the mouth without removing the provisionals.

Lab-processed provisionals

Once a case gets more complicated, involving restorations beyond temporizers or including full crowns in the treatment, indirect/lab-processed provisionals become the standard.

Some of the advantageous traits of lab-processed DuraTemp are...

- * Proper gingival contour
- * No staining due to smooth glazed surface
- * Overall shape designs
- * Properly proportioned
- * Occlusal and functional design
- * Patient's testing of VDO
- * Accurate fit
- * Approximate shade
- * Desired texture and shapes

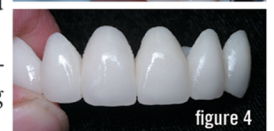
It is very important to make all of the smile design decisions with the patient prior to wax-up or provisional fabrication. Spending this time on the first records collection appointment gives you and the technicians the tools required to create provisionals that will be your working template for the final ceramics.

Chairside procedures for seating lab-fabricated provisionals

Your DuraTemp provisionals are typically fabricated from pre-op models. The prescribed teeth are reduced 1 mm on all surfaces of the model in the lab. The tissue sites will also be shaped for your prescribed results. This reduction allows you to seat and reline easily in the mouth after preparation. DuraTemp are methyl methacrylate based, and require a cold cure acrylic or bis-acryl to reline.

DuraTemp seating directions

- 1 Prepare teeth, pack cord, and control bleeding.
- 2 Try in DuraTemp to ensure path of insertion and sufficient reduction.
- 3 Clean DuraTemp and brush monomer on inside of temps.
- 4 Paint exterior of DuraTemp with petroleum jelly, avoiding 1 mm away from margins. This will prevent the reline material from sticking to the DuraTemp surface.
- 5 Mix acrylic and fill provisional abutments 3/4 full. Wait until acrylic has a slightly dull gloss, then seat in position in mouth (figure 1).
- 6 Test acrylic for stiff rubbery texture and remove. Do not allow to fully cure in mouth. Move the temps off and on the preps while curing (figure 2).
- 7 Clean away flash and finish margins. Use soft rubber wheels, or fine acrylic carbide, then polish marginal areas with fine flower of pumice (figures 3 and 4).
- 8 Use the temporary cement of your choice (we recommend noneugenol material if you are bonding final restorations).
- 9 If needed, you may re-glaze DuraTemp surface with Palaseal[®] or Luxaglaze[®], or a similar light-cured glaze.



Some of the design considerations that you should specifically Rx so that your DuraTemp technicians can fulfill your exact design desires are...

- * Pre-operative impressions
- * Stick-Bite or Kois Facebow
- * Incisal edge styles designs
- * Occlusal or function concerns
- * Tooth shape design
- * Photos (Smile/portrait, close-up smile, right/left smile profile)
- * Impression of direct composite intraoral mock-up or wax-up
- * Shade of final restorations to be approximated in DuraTemp
- * Bite registration
- * Shape and design styles
- * Centrals — length and width
- * Tissue conditioning
- * Which teeth will be pontics