By Kris E. Schermerhorn CDT, AAS

After graduation, he became manager of the Northern Virginia Dental Lab. College, and in 1994 graduated Summa Cum Laude with an Associate Degree in Applied Science with a major in Dental Laboratory Technology. This experience provided Kris with invaluable expertise in performing dental laboratory procedures. Kris attended J. Sergeant Reynolds College and then worked full-time until 1994 at the dental lab. This led to many new opportunities for Kris to practice his dental laboratory skills.

Kris has been active in the dental Laboratory business for more than 20 years. Kris worked for his father, owner and founder of Northern Virginia Dental Lab. This allowed Kris to work closely with patients and their dental professionals. This experience provided Kris with valuable knowledge of dental laboratory procedures and materials.

In the following case study, a patient sought treatment for a new crown and a new implant. The patient was also interested in a new partial arch. The crown was made in a lab at J. Sergeant Reynolds College using the same materials and techniques as the original crown. The implant was placed by Dr. Smith at the patient’s local dental office. The partial arch was designed and fabricated by Kris at the lab. The partial arch was designed to fit the patient’s existing natural teeth and implant.

The following are the steps for fabricating a Veneer Partial appliance:

1. Prepare the model and invest it in a FlexPress flask.
2. Add sprues and invest the teeth.
3. Inject the Veneer Partial material into the sprue using a plugger.
4. Add finishing touches to the appliance.

VisiClear Veneer Partials

By Kris E. Schermerhorn CDT, AAS

VisiClear Veneer Partials are similar to Essex bridges but are more durable. Myerson, Veneer Partials are made using VisiClear from Myerson. VisiClear Veneer Partials are a good example of what is now available. VisiClear absorbs very low moisture and is biocompatible. VisiClear is tooth supported and will take the pressure off the ridge and underlying natural teeth and gingiva.

Recent advances in thermoplastic materials have broadened the number of applications for these materials. These materials have unique physical properties that make them suitable for dental applications. These materials are non-toxic, non-irritating, and provide a smooth finish. VisiClear is a thermoplastic material that is non-toxic and will not discolor. It is a non-irritating material that is easy to work with. VisiClear is a good choice for dental applications because it is easy to work with and provides a smooth finish.

Quiz

VisiClear Veneer Partials are:

a) False
b) True

The finishing case is placed on the final cast. (Figure 10) Notice how the case is smooth and shiny. You can apply the Fine Scratch Remover to the appliance, but it will also create a very smooth surface. The Fine Scratch Remover is a paste, so it acts as a polish. The Fine Scratch Remover is a very easy and fast way to polish the appliance. You can apply the Fine Scratch Remover to the appliance and then inject the material further onto the palate for an upper or further onto the ridge for a lower.

VisiClear Veneer Partials can be used on any patient. In the rare case that the patient has extremely deep cavities or extensive restoration work, VisiClear Veneer Partials may not be the best choice.

VisiClear Veneer Partials are a good choice for patients with interproximal shadowing may occur. If there are large gaps between the teeth, VisiClear Veneer Partials are a good choice because they will close these gaps and make the teeth seem even larger. If there are large gaps between the teeth, VisiClear Veneer Partials are a good choice because they will close these gaps and make the teeth seem even larger.

VisiClear Veneer Partials are not suitable for patients with deep lingual grooves or a lingual inclination on the teeth. VisiClear Veneer Partials are not suitable for patients with deep lingual grooves or a lingual inclination on the teeth. VisiClear Veneer Partials are not suitable for patients with deep lingual grooves or a lingual inclination on the teeth. VisiClear Veneer Partials are not suitable for patients with deep lingual grooves or a lingual inclination on the teeth.

Recent advances in thermoplastic materials have broadened the number of applications for these materials. These materials have unique physical properties that make them suitable for dental applications. These materials are non-toxic, non-irritating, and provide a smooth finish. VisiClear is a thermoplastic material that is non-toxic and will not discolor. It is a non-irritating material that is easy to work with. VisiClear is a good choice for dental applications because it is easy to work with and provides a smooth finish.
VisiClear Veneer Partials
By Kris E. Schuman

After graduation, he became manager of the Northern Virginia Dental Lab. Kris has been active in the dental Laboratory business for more than 20 years. Kris worked for his father, owner and founder of Northern Virginia Dental Lab. Since then, he has offered services in porcelain dentistry.

VisiClear Veneer Partials

The following are the steps for fabricating a Veneer Partial:

1. The fabricated appliance is fabricated using acrylic resin and finished using rubber polishers. The fabricated appliance is then placed in a stone cast. (Figure 2) Myerson’s Thermoplastic Model Separator creates a hard plastic coating that will not dry out or evaporate. You can apply the separator to the cast by melting it with the stone and using the separator as an adhesive. (Figure 3)

2. Once the separator is in the proper position, place wax over the acrylic separator. (Figure 4) The wax is then took to the articulator and further processed using rubber polishers to reduce the wax surrounding the appliance. (Figure 5)

3. After finishing, the wax is removed using a Flexipol brush using 1” to 12” strokes. It is then exposed using VisiClear (Figure 6).

4. Once the wax has been removed, it is painted using a single use of red discs, blue discs, and green discs (in that order) very quickly. As you continue to polish, the red disc will remove the major scratches. Spending more time on this step will reduce the chances of tearing the appliance where the hyperocclusion of the VisiClear material was not fabricated to the appliance. (Figure 7)

5. The fabricated appliance is finished using carbide burs and rubber polishers. The fabricated appliance is then placed in a stone cast. (Figure 2) Myerson’s Thermoplastic Model Separator creates a hard plastic coating that will not dry out or evaporate. You can apply the separator to the cast by melting it with the stone and using the separator as an adhesive. (Figure 3)

6. Once the separator is in the proper position, place wax over the acrylic separator. (Figure 4) The wax is then took to the articulator and further processed using rubber polishers to reduce the wax surrounding the appliance. (Figure 5)

7. After finishing, the wax is removed using a Flexipol brush using 1” to 12” strokes. It is then exposed using VisiClear (Figure 6).

8. Once the wax has been removed, it is painted using a single use of red discs, blue discs, and green discs (in that order) very quickly. As you continue to polish, the red disc will remove the major scratches. Spending more time on this step will reduce the chances of tearing the appliance where the hyperocclusion of the VisiClear material was not fabricated to the appliance. (Figure 7)

9. The fabricated appliance is then placed in the final cast. (Figure 8) Notice the easy snap gingival trimming through the lingual placed in the appliance where the hyperocclusion of the VisiClear material was not fabricated to the appliance. (Figure 9) Myerson’s Thermoplastic Model Separator allows you to place this material to a very beautiful, high gloss finish. The Thin Silicone Separator is a paste, it is used as a finisher between the acrylic separator and use as a lubricant when finishing the tapered margins. (Figure 10)

10. VisiClear Veneer Partials are recommended under these circumstances:

   a. Very large adjacent teeth
   b. Large diatomic undercuts
   c. VisiClear absorbs very low moisture
   d. VisiClear is biocompatible
   e. VisiClear is resilient over time
   f. VisiClear is easy to insert and remove, easy to maintain, and more esthetic and comfortable than the traditional acrylic.

Quiz (Circle your answers)

1. What are the advantages of using VisiClear from Myerson?
   a. VisiClear is biocompatible
   b. VisiClear is resilient over time
   c. VisiClear is easy to insert and remove
   d. All of the above

2. When is it necessary to develop a distal separation in the model?
   a. When you seal the tooth to the model
   b. When you seal the tooth to the model
   c. When you use those drilled diatomic undercuts
   d. When you seal the tooth to the model

3. What is necessary to develop a distal separation in the model?
   a. There needs to drill a small secondary hole from the lingual or interproximal
   b. There needs to drill a small secondary hole from the lingual or interproximal
   c. There needs to drill a small secondary hole from the lingual or interproximal
   d. There needs to drill a small secondary hole from the lingual or interproximal

4. When is it important to develop a distal separation in the model?
   a. When you seal the tooth to the model
   b. When you seal the tooth to the model
   c. When you use those drilled diatomic undercuts
   d. When you seal the tooth to the model

5. It is preferable to place one or two large diatomic as
   a) extremely deep undercuts
   b) very large adjacent teeth
   c) very large adjacent teeth
   d) all of the above

6. The fabricated appliance is fabricated using acrylic resin and finished using rubber polishers. The fabricated appliance is then placed in a stone cast. (Figure 2) Myerson’s Thermoplastic Model Separator creates a hard plastic coating that will not dry out or evaporate. You can apply the separator to the cast by melting it with the stone and using the separator as an adhesive. (Figure 3)

7. Once the separator is in the proper position, place wax over the acrylic separator. (Figure 4) The wax is then took to the articulator and further processed using rubber polishers to reduce the wax surrounding the appliance. (Figure 5)

8. Adjust the wax to the model and roughen the wax to ensure no wax remains on the model. (Figure 6) There will be areas when the wax on the distal surface will be too great because the material is semi-translucent.

9. Place the waxed model into the modified die. (Figure 7) You can use the appliance and the prepared die and further processed using rubber polishers to reduce the wax surrounding the appliance. (Figure 8)

10. VisiClear Veneer Partials are easy to insert and remove, easy to maintain, and more esthetic and comfortable than the traditional acryl.