ProVeneer™
The Ultimate Resin Based Foundation System for Creating Life Like Veneers

Step by Step Manual Guide

SILMET
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About Us

Silmet Ltd. was established in 1967 specializing in Dental Amalgam manufacture. Throughout the years the company positioned itself as a preferred source for Private Label and OEM amalgam products by many dental manufacturers.

From the onset, the Silmet production site was designed for mass production using cutting edge technology, advanced automatic machinery and monitoring systems to guarantee supply of high quality products.

Today Silmet is among the only dental manufacturers that produce in house a full range of restorative materials: Amalgam, Composites, Dental Adhesives, Glass Ionomer restoratives and luting cements. The ProLine range of affordable products provides advanced solutions for virtually every restoration indication, and enhances the dentists’ practice.

Nearly ten years ago, leading branded dental companies started differentiating the products by creating too many sub-categories in an attempt to maximize profit.

Although some of the new categories were true milestones, numerous products were introduced into the market prior to having sufficient clinical trial evidence. As an OEM specialist, Silmet was able to observe this new market trend and identify the negative effect it might have on dentists, who were confronted with a daily dilemma about which products to choose. Silmet’s ProLine, a complete line of restorative products focuses on presenting optimal balance between the average dentists’ true daily needs, and affordable value.

The company’s new Glass Ionomer line of capsules positions Silmet among the very few worldwide prestigious companies possessing the knowledge for production and manufacture of this type of advanced presentation. The use of this advanced capsule with a paste/paste system as replacement for dual syringe is being investigated.

Health Canada
ProVeneer's Patent Pending Smile Preview Technique

Silmet, the developer and manufacturer of ProVeneer joined forces with the Silverman Institute of Cosmetic Dentistry to bring to the dental industry a new approach for preparing in-office veneers. Thanks to ProVeneer, dentists can now create a single veneer in 15 minutes or less in one visit, with natural looking results at an affordable price. In just 2 minutes, ProVeneers’ patent pending Smile Preview Veneer System pre-qualifies patients, without preformed veneers, and assures gorgeous results.

With the ProVeneer System we provide all of the necessary tools that seamlessly expand your cosmetic dentistry program no matter where you practice.

What are the three main concerns patients have about cosmetic dentistry?

- Patients have said they don’t want to have their healthy teeth “filed down just to have a nicer looking smile”. If you think like a patient, wouldn’t you be hesitant to have your enamel irreversibly removed just to enhance the appearance of your teeth?
- Patients don’t want to have artificial looking teeth
- Patients want to be able to afford the service

Many dentists have a tendency to think we need to place 6, 8 or 10 porcelain veneers to do a smile makeover. That becomes very expensive to our patients. As a result, very few smile makeovers are being done today. That does not benefit your patient. With ProVeneer, think like a patient.
In the past it has taken a lot of time and skill to match 1-2 veneers to the adjacent teeth. However with the new ProVeneer System that will no longer be the case. ProVeneer allows you to create single veneers or even 2-3 veneers with ease. With ProVeneer you will customize a gorgeous in-office veneer in minutes without using preformed veneers, CADCAM or porcelain veneers. And it is not conventional direct bonding. Conventional bonding can take from 30-45 minutes per tooth and is technique sensitive.

The breakthrough ProVeneer System allows you to create a Smile Preview Veneer in just minutes and does not require a lab bill, multiple visits or tooth reduction.

The ProVeneer System is affordable to every patient. Sounds like what your patients have always wanted and what we hoped for as well, and since this is totally reversible and not bonded to the tooth until the patient approves the procedure, patients love having a Smile Preview done.

Surveys done by the Silverman Institute of Cosmetic Dentistry consistently show that 8 out of 10 patients in every dental office have at least one tooth that the patient wants to change in size, shape or appearance. That’s a lot of cosmetic dentistry that is being left undone.

Practice more cosmetic dentistry with the ProVeneer System. It starts by creating a Smile Preview Veneer on every patient in your practice.

Transform your patients’ smiles using ProVeneer System.
**ProVeneer System Kit Contents**

ProVeneer System Kit features a complete solution for achieving the desired results while creating Life Like Veneers. All the necessary materials and tools can be found inside. For achieving best results, please avoid using alternative materials.

For your convenience, we included a Quick Reference illustrated instruction card for creating ProVeneer Life Like Veneers.

**ProVeneer System Kit includes:**

- 10 x Single use blister pack
- ProVeneer Bonding Agent
- ProFil Flow Cement
- ProEtch
- Accessories

In the event of excess ProVeneer material, use the aluminum zip lock bag included for safe storage of the material. Since the material is sensitive to ambient light, it is recommended to wrap the material in the blister wrap and then store in the zip lock bag.

**Ordering Information:**

- 18PVA1  ProVeneer System Kit, A1
- 18PVA2  ProVeneer Systeme Kit, A2
- 18PVB1  ProVeneer System Kit, B1
- 18PVBW  ProVeneer System Kit, BW
- 18PVINTRO  ProVeneer Intro Kit (A1, A2, B1, 2*BW + ProVeneer Bond)
- 18PVAST  ProVeneer System Kit, Mixed Shades (3*A1, 2* A2, 2*B1, 3*BW)
Top Reasons to Consider Using the ProVeneer System:

Why Dentists choose ProVeneer:
- Greater acceptance by patient
- Place 4 veneers in 1 hour, 1 visit
- No Cad Cam
- No preformed veneers
- No lab bill
- “No Selling” marketing program
- Fun, stress free, impactful

Why patients choose ProVeneer:
- Non-invasive, no filing down of teeth
- Creating beautiful, smiles in one visit
- Affordable, veneers
- Smile Preview Veneer guarantees final result
- Looks natural (Life Like Veneers)
- Long lasting permanent results
- Wear and stain resistant
- Same day dentistry
- Faster (1 short visit), easier, better
- Micro thin
Smile Preview Veneer Preparation

Before you start your ProVeneer case find out what your patient wants to change about their smile. Cosmetic dentistry is want based and not need based.

Prior to creating a Smile Preview Veneer for your patient, always check for bruxism and look for protrusive / lateral excursion interferences that may affect the outcome. Select shade using a Vitapan® Classic Shade Guide.

The Smile Preview Veneer process starts by peeling the blister pack and exposing the material. Gently place a very small amount of the material as an incisal button at the biting edge of the tooth. The rule to follow is less material is better. You do not want bulk of material that will increase the thickness of the veneer and increase the finishing and polishing time required to create a natural looking tooth.

Apply a small amount of ProVeneer resin based foundation material to a gloved finger that is tightly pulled on your finger. Make certain the glove has no ridges on the tip of the pinky finger.

Prior to placing ProVeneer use your gloved index and thumb to compress it.

Next visualize and control the placement of the material in halves. Start at the incisal half and press the material against the facial surface of the tooth. Use a gloved pinky finger to do this. Make certain that the glove is very tight fitting on the pinky finger and no creases exist on the gloved pinky finger.

If creases exist you will not be able to create a smooth surface as you compress the material against the tooth. To prevent this pull your gloved pinky finger tight.
Creating the incisal half of the veneer takes about 20 seconds. Do not attempt to bring the veneer material all the way down to the gum line. Maintain control of the veneer esthetics by doing it in halves.

Squeeze the material between your fingers prior to placing on the tooth. Now you are ready to create your Smile Preview Veneer. With a little practice this will take about 2 minutes per tooth to create.

Turn off your overhead light. Place the material on the incisal half of the tooth. Leave some material on the incisal edge to create a positive rest stop (necessary when cementing the veneer) but not on the lingual.

**Tip:** If any material is placed on the lingual of the tooth or in undercuts (such as the mesial or distal surfaces of the teeth) remove it before light curing. If you do not, the veneer will fracture upon removal from the tooth. This is easy to avoid.

After you are pleased with the shape, contour and positioning of ProVeneer on the incised half of the facial surface of the tooth, use your gloved finger to gently move and sculpt the veneer material to the gum line of the tooth. With practice this will take another 20 seconds.

Move ProVeneer to the middle third of the tooth. Do not drag toward the cervical quite yet. Notice how the material goes exactly where you want it.
Next, using your gloved pinky finger move the material to the cervical. Avoid bulk material at the gum line (see below). Use your pinky to shape the facial surface. ProVeneer will shape beautifully as you do this and will not stick to your glove. After removing your finger note how glistening the material surface appears.

**Tip:** For best results use your pinky. Avoid using your index finger or other fingers. Condense and shape the interproximals and finalize the appearance of the incisal edge.

**Tip:** Use a thin bladed plastic instrument to facilitate shaping the line angles and to create illusions. Remove any bulk material in the interproximal area with a thin bladed plastic instrument to prevent inadvertent splinting of the veneer to the adjacent tooth. Avoid bulk of material at all costs.

You can place a mylar strip between the teeth but that will significantly increase your F&P time. Remove any excess material with your plastic instrument to create a seamless emergence profile & reduce finishing / polishing procedures.

**Tip:** While standing, determine if the Smile Preview Veneer harmonizes with the adjacent teeth. If not, use your gloved pinky finger and/or plastic instrument to move the material so that it creates the desired illusion and natural appearance. Practice this. It is easy.
Removing RBFM from the lingual is very important because if any RBFM has gone onto the lingual of the tooth (it typically does) and if you do not remove it prior to curing with the light it will create a labial-lingual lock. If a labial-lingual lock occurs the veneer will fracture when you remove it from the tooth. This is avoidable if you do not place any material on the lingual of the tooth.

Also avoid placing the material in undercut areas such as interproximal segments of the tooth that interfere with the path of withdrawal when removing the veneer from the tooth or it will fracture, similar to doing a wax up.

Now create subtle illusion affects using light reflections and contouring. Using your gloved pinky finger and/or thin bladed sculpturing instruments you can easily make the tooth look longer or shorter, wider or narrower - in only seconds by compressing ProVeneer against the tooth's surface (40 seconds). This is the time to remove any excess material at the gum line so you will have a seamless emergence profile requiring minimal finishing and polishing if the patient proceeds with work (30 seconds). Do this prior to curing ProVeneer with your light.

Finally, using your curing light, harden ProVeneer in five segments, each segment being exposed to the light according to the manufacturer’s specifications to ensure optimum curing. The segments to be cured are the incisal, middle of the facial, gingival, mesial and distal.

Cure per the light manufacturer’s recommendation for the gingival, middle, incisal, mesial and distal of the tooth.

**Tip:** Do not undercure. Make certain to fully cure at the gingival and incisal areas.
Use a separating saw if inadvertent splinting occurred (floss should pass through the contact).

While the Smile Preview Veneer may seem simple to do, it requires practice. Once you do a Smile Preview Veneer you can determine if your patient will be a good candidate for non-invasive ProVeneers where you control the size, shape and color of the veneer.

A note of caution: If a patient has existing composite restorations place a thin layer of petroleum jelly over the existing filling prior to performing the Smile Preview Veneer to prevent inadvertent adhesion. Additionally, if a patient has overlapped teeth or requires crown lengthening, the Smile Preview Veneer can only approximate what you might achieve.

The Silverman Institute of Cosmetic Dentistry has an entire program dedicated to that goal where you will do from 25-35 veneers or more per month.
**Tip:** Take an “after” picture of the Smile Preview Veneer on the tooth. After you remove the Smile Preview Veneer from the tooth take a “before” photo. Share these photos with your patient. Most patients are absolutely thrilled.

Best of all, with ProVeneer’s Smile Preview Veneer System the best cosmetic dentistry can be the most natural looking, affordable, non-invasive dentistry.

**Tip:** When removing the Smile Preview Veneer from the tooth, place a scaler at the cervical margin (MG or DG) and gently lift up and off the tooth. If the Smile Preview Veneer fractures it is because you left material in an undercut or lingual of the tooth. Avoid that by simply removing any material prior to curing with the light.
Show your patient the micro-thin, strong veneer. Describe how this custom made veneer combines the best of both worlds:
Opacity to help block out underlying stains along with translucency to create a natural appearance (note the translucency in the veneer).

**Tip:** While holding the cervical of the Smile Preview Veneer show the patient how the veneer does not break (bend it with reasonable pressure on the incisal half). ProVeneer combines incredible beauty with strength and stain resistance.

Once the patient has decided to have the veneer bonded to the tooth, often saying “Can you cement that today?” the Smile Preview Veneer is now ready to be cemented as the final ProVeneer.
Cementation Technique

At this point you can use the Direct / Indirect Technique where you lab process and cement the veneer. Another option some dentists like is to use the Direct Technique, without removing the veneer since it will be directly bonded to the tooth.

When using the Direct / Indirect Technique perform the following steps prior to cementation:

Place the Preview Veneer in a microwave safe cup. Fill the cup with distilled water from $\frac{1}{2}$ to $\frac{3}{4}$. of the cup. Place the cup in a microwave oven and heat for 3 minutes under high power. Carefully remove the ProVeneer after 3 minutes.

Dry the veneer and place etchant (recommended use with ProEtch™, included in kit) on the inner surface of the ProVeneer for 30-60 seconds.

**Tip:** Prior to applying the etchant you may choose to use a micro-etcher or sand blast the inner surface of the veneer for 2-3 seconds – gently. Rinse and then apply the etchant.
Remove the etchant using copious amounts of water.

Dry the inner surface of the ProVeneer with a gentle stream of air and apply a thin layer of ProVeneer™ Bonding Agent (Included in kit) to the inner surface of the ProVeneer. **DO NOT cure the bonding agent.**

Apply a thin layer of cement of your choice (best performance achieved using Profil™ Flow cement, included in kit) using the same shade as ProVeneer (or adjacent shade).

**Tip:** Since the ProVeneer is custom made and is form fitting to the tooth, you only need to use a small amount of cement.
Apply etchant to the tooth for 15 - 60 seconds & rinse with copious amounts of water

Apply an ample amount of ProVeneer Bonding Agent, leave undisturbed for 15 secs. Gently blow off excess with an air syringe so only a thin layer of bonding agent remains on the tooth.

**DO NOT** cure the bonding agent.

Place the ProVeneer filled with ProFil Flow Cement on the tooth and very, very gently press the veneer on the tooth. Remove any excess cement. Cure as follows:

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<th>Curing Unit</th>
<th>Curing time (sec)</th>
<th>Light Intensity</th>
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<tbody>
<tr>
<td>Conventional halogen</td>
<td>20</td>
<td>Light intensity of 300 - 550mW/cm²</td>
</tr>
<tr>
<td>Plasma arc</td>
<td>6</td>
<td>Light intensity &gt;2000mW/cm²</td>
</tr>
<tr>
<td>LED</td>
<td>20</td>
<td>Light intensity &gt;300mW/cm²</td>
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Polishing discs can be used lightly over the surface. Finish and polish with light, gentle polishing. This should take 2 - 3 minutes to achieve a beautiful luster. If you applied ProVeneer correctly you should have no bulk material to trim.

Finishing & polishing is done on lingual surface and to optimize the occlusion.

Check to assure you have a seamless emergence profile with an explorer.
The emergence profile should be seamless. If it is not, use light polishing with a finishing diamond or carbide finishing bur to ensure a ledge free emergence profile. (note no gum tissue bleeding since excess material was removed prior to curing with light).

If necessary use a separating saw to assure flossing ability (included).

Take your final after photographs. Show your patient the transformation (directly on your digital camera) that has been achieved. Bring in your hygienist and office manager and share the success with these key team members as well. ProVeneer makes your life easier by offering better, more affordable dentistry.
Frequently Asked Questions

Q: How is ProVeneer different from any other composite?
A: ProVeneer has a unique balance between Bis-GMA-TEGDMA-UDMA that provides a none sticky formulation with unique polishability that allows non-porcelain veneers to be created as thin as 1 mm compared to the conventional composites that are indeed much thicker. Adding a percentage of Non-silanated nanofill particles & high-density spheres without altering the resin-to-filler ratio allows the resin matrix to flow around them and react without constraint. Nanoclusters of silane treated zirconia/silica are homogeneously distributed to provide cross-linkage to surrounding resin and allow for high volume-wise filler concentration.

With ProVeneer we eliminate time consuming layering and the entire procedure, including any in-office laboratory processing and cementation takes only 15 minutes per tooth.

When placing conventional composites dentists are often aggravated by the tendency of the material to stick to the glove or to the plastic placement instruments. That is eliminated with ProVeneer.

ProVeneer also masks out many tooth discolorations without requiring the use of an opaque agent. Simultaneously ProVeneer’s chameleon ability maintains translucency to create a natural appearance.

Q: How is ProVeneer different from EasySmile Veneers?
A: They are the same. EasySmile Veneers were produced from the same material. Silmet and Silverman joined forces realizing that ProVeneer has a bigger opportunity leveraging from Silmet’s reputation as a high end manufacturer of dental materials with Pro-line sales in USA growing every year.
Q: Why is Silmet making it?

A: As a company that specializes in developing and producing resin materials for restorative dentistry we are always being approached by leading brand companies and individuals with requests to improve or provide a solution to certain application or physical properties of our restorative materials.

Several years ago, Dr. Harvey Silverman brought to us his patent pending idea for creating a Smile Preview Veneer, fabricated chairside in 2 minutes. He asked us to develop a material that would be strong, stain resistant and natural looking. This required modifications to one of our current compositions and years of research.

ProVeneer is the only resin based foundation material that features: Low stickiness characteristic, glistening surface appearance and the ability to make a Micro thin strong veneer. This innovative material is Silmet’s propriety and there is no other material out there that is specifically developed for making lab free custom veneers.

If you want your team to excel at the internal marketing of your cosmetic dentistry, and wish to learn how to distinguish and differentiate your cosmetic dentistry practice in your community, contact the Silverman Institute of Cosmetic Dentistry.

To learn more visit:
More High Quality Clinically Rated Products from Silmet

ProFil™ Flow is a visible-light activated, radiopaque, flowable composite. The excellent flowable consistency characteristics makes ProFil Flow is an ideal composite for filling cavities.

ProLink™ SE is a super quick adhesive saving valuable chair time: No need to either etch the dentin or to wash it off. Once cured, you can immediately place your restorative.

750,000 New Restorations
ProGlass™ Plus, a resin modified glass ionomer luting cement, combines the advantages of glass ionomer with the benefits of resin chemistry. **First choice in order to avoid post operative sensitivity.**

ProFil™ is designed for minimizing polymerization shrinkage by high density inorganic fillers loading, thus showing excellent marginal sealing and surface texture.

with Silmet Products in the USA Every Year
www.pro-veneer.com