**Interface Instructions for Use**

*Interface* is a revolutionary ceramic primer, which allows the clinician to bond any type of ceramic to a tooth, including the newer high-strength materials. With *Interface*, any ceramic restoration can be delivered or repaired (in vivo) without the use of dangerous hydrofluoric acid. Since it is activated when it is used, the shelf life of the primer is extremely stable (3 years from the date of manufacture). Perhaps best of all, *Interface* can be used to prepare ceramic, dentin and enamel ALL AT THE SAME TIME.

**General Instructions:**

**Preparation of Interface**

*Interface* is furnished in two bottles, labeled A and B, along with a mixing well and Microtip® applicators.

1) A drop of *Interface A* and a drop of *Interface B* are dispensed into the same cavity of the mixing well. At first the two liquids will not mix- one will form a “bubble” on the top of the other.

2) After 20-30 seconds, the bubble will break down, and at that time the mixture is stirred for 5 seconds with the Microtip® applicator.

   **NOTE:** The mixed *Interface* solution must be used within 3 minutes. Once it has become cloudy or opaque it is no longer useful.

**Delivery of Interface**

It is highly recommended that the ceramic surfaces to be bonded are first lightly sandblasted.

1) Using a Microtip® applicator, apply an even coating of the prepared *Interface* solution to the ceramic surface and allow to dwell for 10 seconds.

2) Dry the *Interface* solution thoroughly (approximately 5 seconds)

   **The surface has now been etched and silanated.**

We recommend using a resin based bonding agent such as *Simplicity* or *SURPASS®* to complete the ceramic preparation prior to cementation. See detailed instructions below.

For technical assistance please call toll-free: 1-877-APEX-123
Delivery of Ceramic Inlays, Onlays, Crowns and Veneers

1) Using a Microtip® applicator, apply an even coating of the prepared Interface solution to the ceramic surface and allow to dwell for 10 seconds.

2) Dry the Interface solution thoroughly (approximately 5 seconds).

   The ceramic surface has now been etched and silanated.

3) If using Simplicity:
   1) Apply 1 coat of Simplicity 2 to the dried Interface surface
   2) Dry thoroughly
   3) Light activate for 10 seconds
   4) Apply a final coat of Simplicity 2
   5) Dry thoroughly but do not light activate

If using SURPASS®:
   1) Apply 2 coats of SURPASS® 2 and dry thoroughly
   2) Light activate for 10 seconds

If using a different adhesive or self-etch cement follow manufacturer’s instructions

If the tooth has been sealed with Simplicity or SURPASS® as recommended continue with the following protocol:

1) Clean any remaining temporary cement with a Microtip® and Simplicity 1 or SURPASS® 1. Either of these materials will dissolve the remaining cement.

2) Rinse and dry the prep.

3) If using Simplicity:
   1) Apply 1 coat of Simplicity 2 to the dried Interface surface
   2) Dry thoroughly
   3) Light activate for 10 seconds
   4) Apply a final coat of Simplicity 2
   5) Dry thoroughly but do not light activate

If using SURPASS®:
   1) Apply 2 coats of SURPASS® 2 and dry thoroughly
   2) Light activate for 10 seconds

4) Place the resin luting material (such as Anchor®) into the crown or onlay and insert.
Repairing of Ceramics

1) Using a Microtip® applicator, apply an even coating of the prepared Interface solution to the ceramic surface and allow to dwell for 10 seconds.

2) Dry the Interface solution thoroughly (approximately 5 seconds).

   The surface has now been etched and silanated

3) If using Simplicity:
   1) Apply 1 coat of Simplicity 2 to the dried Interface surface
   2) Dry thoroughly
   3) Light activate for 10 seconds

   If using SURPASS®:
   1) Apply 2 coats of SURPASS® 2 and dry thoroughly
   2) Apply 1 coat of SURPASS® 3
   3) Air thin (if desired)
   4) Light activate for 10 seconds

   If using a different adhesive or self etching cement follow manufacturer’s instructions

4) Composite resin is then added and finished according to manufacturer’s instructions.

Repair of Porcelain-to-Metal Crowns

1) Roughen the surface to be repaired with a diamond.

2) Using a Microtip® applicator, apply an even coating of the prepared Interface solution to the ceramic surface and allow to dwell for 10 seconds.

3) Dry the Interface solution thoroughly (approximately 5 seconds).

   The surface is now etched and silanated

4) If using Simplicity:
   1) Apply 1 coat of Simplicity 2 to the dried Interface surface
   2) Dry thoroughly
   3) Light activate for 10 seconds

   If using SURPASS®:
   1) Apply 2 coats of SURPASS® 2 and dry thoroughly
   2) Apply 1 coat of SURPASS® 3
   3) Air thin (if desired)
   4) Light activate for 10 seconds

   If using a different adhesive or self etching cement follow manufacturer’s instructions

5) Composite resin is then added and finished according to manufacturer’s instructions.
Repairing Ceramic and Tooth (Simplicity or SURPASS® is required for this process)

There are times when tooth structure is exposed by the fracture of a ceramic restoration, such as might occur with a veneer or ceramic crown.

1) Using a Microtip® applicator, apply an even coating of the prepared Interface solution to the ceramic surface and allow to dwell for 10 seconds.

2) Dry the Interface solution thoroughly (approximately 5 seconds)

3) Apply the prepared Interface solution to the exposed tooth structure evenly and agitated gently for 10 seconds. **DO NOT DRY THE Interface SOLUTION ON THE TOOTH.**

Note: Excess Interface solution on the ceramic surface will not adversely affect the bond strength of the repair.

4) If using Simplicity:
   1) Apply 3 coats of Simplicity 2 to the Interface surface on both the tooth and ceramic
   2) Dry thoroughly
   3) Apply 2 additional coats of Simplicity 2
   4) Dry thoroughly
   5) Light activate for 10 seconds

   If using SURPASS®:
   1) Apply 3 coats of SURPASS® 2 to the Interface surface on both the tooth and ceramic
   2) Dry thoroughly
   3) Apply 1 coat of SURPASS® 3. Air thin (if desired)
   4) Light activate for 10 seconds

5) Composite is then added and finished according to manufacturer’s instructions.