



Interface Overview

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.

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.

Apex Dental Materials recommends the use of a resin based bonding agent such as **Simplicity® 2** or **Surpass® 3** to complete the ceramic preparation prior to cementation. See detailed instructions below.

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 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 1 coat of **Surpass® 3** to the dried **Interface** surface
- 2) Air thin (if desired)
- 3) Light activate for 10 seconds

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

(* If the tooth has been sealed with **Simplicity®** or **Surpass®** as recommended, the following protocol may be employed for the tooth on which the crown or onlay is being placed:

- 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 1 coat of **Surpass® 3** to the dried **Interface** surface
- 2) Air thin (if desired)
- 3) Light activate for 10 seconds

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

- 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 secondsIf using **Surpass®**:
 - 1) Apply 1 coat of **Surpass® 3** to the dried **Interface** surface
 - 2) Air thin (if desired)
 - 3) Light activate for 10 secondsIf 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.

Repairing Ceramic and Tooth (Simplicity® or Surpass® is REQUIRED for this process)

- 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 secondsIf 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.

For technical assistance please call toll-free: 1-877-APEX-123
For video versions of our instructions please visit our website at www.apexdentalmaterials.com

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 1 coat of **Surpass® 3** to the dried **Interface** surface
 - 2) Air thin (if desired)
 - 3) 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.