

INSTRUCTIONS FOR USE**SEcure**[®]

ADHESIVE RESIN CEMENT SYSTEM INTRO KIT
 ADHESIVE SELF-ETCHING PRIMER (3ml bottle)
 ADHESIVE RESIN CEMENT REFILLS (9g syringe)

Stock No. S270
 Stock No. S271
 Stock No. S272 (Translucent)
 Stock No. S273 (White Opaque)
 Stock No. S274 (Dentin)

**THE SECURE KIT MUST BE REFRIGERATED AT ALL TIMES WHEN NOT IN USE!
 FAILURE TO REFRIGERATE WILL CAUSE THE PRIMER TO THICKEN AND DARKEN.
 AVOID EXCESSIVE HEAT, SUNLIGHT AND MOISTURE.**

DESCRIPTION AND INDICATIONS:

Parkell's **SEcure** Adhesive Resin Cement System consists of a self-etching, dentin/enamel primer coupled with an easy-to-use, durable, biocompatible, radiopaque, dual-cure cement. The **SEcure** Primer contains 4-META, a high performance adhesive monomer that creates excellent bonds to dentin and enamel via the formation of a hybrid layer. The **SEcure** System is indicated for joining enamel, dentin and restorative materials to properly primed dental prostheses fabricated in metal, resin, porcelain and high strength ceramics such as Lithium Disilicate.

THE SECURE INTRO KIT CONTAINS:

- 1 **SEcure** Adhesive Resin Cement (dual-cured in **Translucent Shade**); Double-barreled Syringe with 1:4 mixing ratio (9 grams)
- 1 **SEcure** Adhesive Self-etching Primer (4-META based); Bottle (3 milliliters)
- 10 **Mixing tips** in 4:1 mixing ratio (**Refill: S275**)
- **Precision applicator brushes** (**Refill: S379**)
- **Plastic dispensing well**

PROPERTIES:

Film Thickness	18 µm
Working Time at 23°C	60 sec
Setting Time at 23°C	2.5 min (self-cure)

NOTE: SEcure contains Camphorquinone. Overhead lights or any light-curing device will polymerize mixed material.

NOTE: The use of eugenol-based materials may compromise the polymerization of SEcure.

DIRECTIONS FOR CEMENTATION WITH SECURE:

- 1) Prepare restorative surfaces for bonding to **SEcure** Resin Cement.
 - a. **Metal Surfaces:** **SEcure** bonds tenaciously to non-precious metal alloys without special pretreatment other than sandblasting. The durability of the bond to precious and noble dental alloys can be significantly improved by sandblasting the metal surface and priming it with Parkell's **MTL-V™ Primer** (available separately). Alternatively, the surface may be tin-plated.
 - b. **Porcelain & Lithium Disilicate Surfaces:** **SEcure** will bond well to hydrofluoric acid-etched porcelain or lithium disilicate surfaces that have been primed with Parkell's **EaZy Primer™** (available separately). Alternatively, the etched surfaces may be conventionally silanated before cementation, using Parkell's older product **Etch-Free™** or a similar standard silane.
 - c. **Zirconia Surfaces:** **SEcure** will bond well to sandblasted zirconia surfaces that have been primed with Parkell's **EaZy Primer**.
- 2) Remove temporary restoration and clean off remaining temporary cement and debris from tooth. Prepare the surface for cementation, using appropriate cleaners and disinfectants such as Parkell's **Cavidry™** (available separately).
- 3) Rinse the preparation with water and lightly dry with air or cotton. If the prep is deep, or the pulp appears close, apply appropriate pulpal protection agents.
- 4) Apply releasing agent such as Parkell's **BluSep™** (available separately) to non-bonded surfaces to simplify cement removal.

5) Priming the tooth surface can be done using two equally effective methods, with either SEcure Primer (included in the Intro Kit) or Parkell's **Brush&Bond® Self-etch Adhesive** (available separately). Note that in either case, no other cavity varnishes, bonding agents, desensitizers or eugenol-containing materials should be used.

a. **Priming Method #1:** Dispense several drops of SEcure Self-Etching Primer into the well, and brush one generous coat onto the prep. Leave it on for 10-20 seconds, and then gently air blow the liquid for 5 seconds. Do not light cure.

b. **Priming Method #2:** In place of the SEcure Self-Etching Primer, dispense 1-3 drops of Brush&Bond into the well, and activate it for 1-2 seconds with the Brush&Bond activator brush. Brush one generous coat onto the prep and let it sit for 20 seconds. Air blow the liquid for 10 seconds, and light cure it for 5-10 seconds.

6) Remove the cap or previous mixing tip from the SEcure Adhesive Resin Cement syringe and bleed enough out to assure that cement in both barrels is flush with the front edge of the orifices of the syringe. Attach a 4:1 mixing tip, bleed a small amount of cement onto pad, and dispense directly into restoration. The 4:1 tips have a brown collar with an orange mixer inside the nozzle, and should not be confused with 1:1 tips, which have a brown collar and a white mixer inside.

7) Fully seat restoration onto prep and allow excess to extrude from all margins. Hold restoration in place and remove gross excess cement while it is soft, using glycerine-soaked cotton pledgets and "fuzzy" dental floss and/or appropriate hand instruments. Alternatively, you can "peel" the excess from around the margins after a 2-3 second exposure of the excess to any dental curing light.

8) Wait 3-5 minutes, depending on intraoral temperature, for a complete self-cure before final cleanup and occlusal adjustment. This final cure time can be shortened for translucent restorations with a 30 second exposure from any dental curing light.

WARNINGS:

Rubber dam is recommended where appropriate. Unset material should **NOT** be swallowed, and should not contact skin or eyes. Contaminated tissues should be wiped immediately with alcohol and rinsed with copious running water. If eyes are involved, rinse immediately with water and have patient consult an ophthalmologist. SEcure is **CONTRAINDICATED** for use on or by persons who are methacrylate sensitive. SEcure Primer is flammable, and should not be used around an open flame.

Parkell's Quality System is certified to ISO13485.

WARRANTY AND TERMS OF USE:

Parkell will replace defective material. This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith. For full Warranty and Terms of Use information, please see www.parkell.com.

Safety Data Sheets (SDS) are available at www.parkell.com. Parkell's Quality System is certified to ISO 13485.

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