

60-09 Calibra Esthetic Resin Cement (Project 99-36) (01/00)

Calibra is a two-paste, dual-cured cement that is used in conjunction with Prime & Bond NT Dual Cure dentin bonding agent for luting indirect restorations. The Calibra Complete System is packaged in two plastic "tackle-box type" cases. The first (Figure A) contains the cement and includes five syringes of base paste in shades Transparent, Light, Medium, Dark, and Opaque as well as one syringe each of two viscosities (Regular, High) of unpigmented catalyst paste. The Prime & Bond NT bonding agent and phosphoric acid etchant are included in the same case. The second plastic case (Figure B) contains five syringes of the corresponding shades of try-in pastes and a syringe of silane solution. Calibra is recommended for the luting of all-metal, all-ceramic, all-resin, and porcelain-fused-to-metal restorations as well as posts and resin-bonded fixed partial dentures. It is contraindicated for use as a liner/base, core build-up material, or restorative material. In addition to detailed written instructions, a graphics-containing instruction card booklet is also provided.



Manufacturer:

L.D. Caulk Division
 Dentsply International, Inc.
 P.O. Box 359
 Milford, DE 19963-0359
 (800) 532-2855
 (302) 422-4511
 (800) 788-4110 FAX
www.caulk.com

Suggested Retail Price:

\$367.55 Calibra Esthetic Resin Cement Complete System (product number 607060)
 -five 2-g syringes of base paste, (shades Transparent, Light, Medium, Dark, and Opaque)
 -two 2-g syringes of catalyst paste (regular and high viscosity)
 -one 4.5-mL bottle of Prime & Bond NT
 -one 4.5-mL bottle of Prime & Bond NT Activator
 -one 3-mL syringes of Tooth Conditioner Gel
 -accessories

Government Price:

\$202.25 Calibra Esthetic Resin Cement Complete System (product number and contents as listed above)

ADVANTAGES:

- + Working time is long enough so users do not have to rush during mixing and placement.
- + Relatively short setting time minimizes post-cementation chair time.
- + Acceptable film thickness.
- + Adequately radiopaque; easy to detect on radiographs.
- + Shades were adequate for majority of cases treated during evaluation.
- + Provided with try-in pastes for all five shades.
- + Pastes are easy to mix.
- + Supplied with silane solution and a bonding agent that is fast and easy to use.

- + Very easy to clean excess cement from margins.
- + Superb graphics instruction booklet.
- + No post-treatment sensitivity reported.
- + Expiration dates and lot numbers are provided for all items in kit.
- + Material Safety Data Sheet (MSDS) included in kit.

DISADVANTAGES:

- Does not include hydrofluoric acid for porcelain/ceramic etching.
- One evaluator felt that some of the shades were too similar in appearance.
- More expensive than other popular resin cements (eg, RelyX ARC [3M], Variolink 2 [Vivadent]).

SUMMARY AND CONCLUSIONS:

Calibra Adhesive Resin Cement performed well in the laboratory: it had a thin film thickness, appropriate working and setting times, and was adequately radiopaque. Clinical evaluators found it easy to mix and appreciated its excellent instruction booklet. Esthetically, the cement performed well, in part because it has five shades from which to choose and includes try-in pastes. Most necessary components are provided with the exception of a hydrofluoric acid etchant, which some users may wish to have. The product is more expensive than some other popular resin cements. **Calibra Adhesive Resin Cement** is rated **Acceptable** for use by the federal dental services.