

Maxcem Resin Cement (Project 05-19) (2/06)

Maxcem, a new self-etching, self-adhering resin cement by SDS/Kerr is indicated for the cementation of crowns, fixed-partial dentures, inlays, onlays, and posts. The radiopaque resin cement contains 66% filler by weight with an average filler particle size of 3.6 microns. The paste/paste, dual-curing resin cement reportedly is easy to dispense and place with etchant, primer, bonding adhesive, and cement all combined into one product. Maxcem reportedly has relatively high bond strengths, excellent color stability, and easy clean-up. The Value Kit comes with five dual syringes in four shades (2 clear, 1 yellow, 1 white, and 1 white opaque), 50 mixing tips, and 1 box of OptiClean debridors.



Manufacturer:

SDS/Kerr
1717 W. Collins Avenue
Orange, CA 92867-9880
(800) 537-7123
(714) 516-7400
(714) 516-7633 FAX
www.kerrdental.com

Suggested Retail Price:

\$216.00 Value Kit (item number 32856)
- 5 dual-syringes in 4 shades
- 50 mixing tips
- OptiClean™ debridors

Government Price:

\$130.00 Value Kit (item number and contents as listed above)

ADVANTAGES:

- + Multiple indications for use
- + Less steps with self-adhesion
- + No bonding agent required
- + Auto-mix dispenser simplifies cement mixing and placement
- + Dual-cure capability assures adequate polymerization of cement
- + Relatively inexpensive compared with other resin cements
- + Relatively low film thickness
- + Several shades available
- + Easy to clean excess cement from the margins
- + Adequate working and setting times
- + Adequately radiopaque for detection on radiographs
- + Minimal post-treatment sensitivity reported during evaluation
- + Laminated instruction card
- + Expiration dates and lot numbers are provided on syringes and box

DISADVANTAGES:

- Not indicated for cementation of veneers
- No ceramic etchant
- No silane primer
- No try-in pastes
- Storage conditions not listed on syringes or box
- No long-term clinical data

SUMMARY AND CONCLUSIONS:

Maxcem, a self-etching, self-adhering resin cement by SDS/Kerr is indicated for routine cementation of crowns, fixed partial dentures, inlays, onlays, and posts. However, the resin cement is not indicated for veneers. Evaluators found the dual-curing, automix resin cement easy to dispense and place with etchant, primer, bonding adhesive, and cement all combined into one product. It comes with an illustrated instruction card that the evaluators appreciated and found useful. Maxcem performed well in the laboratory, demonstrating a relatively low film thickness, appropriate working/setting times, and adequate radiopacity. Five shades are available, however, no ceramic etchant, silane primer or try-in pastes are provided. Clinical evaluators found it convenient to dispense, place and remove excess cement from marginal areas. Most of the clinical users awarded Maxcem a rating of "excellent" or "good" overall and would consider its purchase for use in their clinic. **Maxcem** Resin Cement is rated **Acceptable** for use by US Air Force dental facilities.