

SensiTemp Resin Temporary Cement (Project 03-07) (09/03)

SensiTemp Resin is a noneugenol-containing, resin-based cement for short- and long-term cementation of provisional restorations, and for permanent cementation of implant-retained crowns. The manufacturer claims that SensiTemp Resin has a two-stage setting reaction that makes it easy to handle. Ninety seconds after mixing, it reportedly enters a rubbery stage when excess cement can be removed. Within 4 to 5 minutes, the cement achieves its final rigidity. Although the cement does not contain eugenol, which can interfere with the polymerization of resin-based materials, it does contain potassium nitrate which Sultan claims will minimize post-operative sensitivity. SensiTemp is available in two packaging forms. It can be purchased preloaded in a 4-mL, hand-held automix syringe that mixes the cement's two pastes using a mixing tip. It is also available in a 25-mL cartridge for use in an automix gun dispenser.



Manufacturer:

Sultan Chemists, Inc
85 West Forest Ave
Englewood, NJ 07631
(800) 637-8582
(201) 871-1232
(201) 871-0321 FAX
www.sultanchemists.com

Suggested Retail Price:

\$37.00 Hand-held 4-mL syringe kit with 20 mixing tips (item number 70010)
\$185.00 25-mL Cartridge kit with automix dispenser and 30 mixing tips (item number 70015)

Government Price:

\$22.20 Hand-held syringe kit (item number and contents as listed above)
\$111.00 Cartridge kit (item number and contents as listed above)

ADVANTAGES:

- + Easy to mix and dispense.
- + Easy to clean-up excess cement from the margins.
- + Easy to remove provisional at insertion appointment.
- + Working time is adequate.
- + Adequately radiopaque for detection on radiographs.
- + Expiration dates and lot numbers are provided on individual foil pouches.
- + Material Safety Data Sheet provided in kit.

DISADVANTAGES:

- Relatively expensive.
- Cartridge mixing tips retain relatively more unused cement.
- Longer setting time.
- Relatively high film thickness.
- Removal of residual cement from the preparation may be difficult.

SUMMARY AND CONCLUSION:

SensiTemp is a potassium-nitrate-containing, resin-based cement designed to temporarily lute provisional restorations to prepared tooth structure. Clinical evaluators rated SensiTemp as "Good" to "Excellent" and would consider its purchase for their clinic. The cement's mixing and dispensing system were appreciated, however, this convenience comes at a higher cost. The working time and radiopacity were acceptable, however, the setting time may be relatively long and the film thickness may be relatively high. The provisionals were easy to remove, but clean-up of residual cement from the prepared surfaces may be more difficult. Most providers preferred the convenience of the syringe system over the cartridge and gun, however, the cartridge system may be slightly more economical.

SensiTemp Resin Temporary Cement is rated **Acceptable** for use by the federal dental services.