

UltraTemp Temporary Polycarboxylate Cement (Project 03-04) (09/03)

UltraTemp is a water-soluble, noneugenol-containing, polycarboxylate luting and filling material indicated for the temporary cementation of provisional restorations, sealing of endodontic access openings, and temporary restoration of small preparations. UltraTemp, the company claims, has the attributes of polycarboxylates such as low irritation to the pulp and great sealing ability. The syringe system allows mixing and delivery in one easy step. The polycarboxylate cement reportedly remains water-soluble until set, providing easy clean-up. Once set, UltraTemp purportedly remains moist to seal out bacteria, prevent dehydration, and reduce post-operative sensitivity. UltraTemp is available in regular and firm set. Regular set is suggested for 2 to 4 weeks of temporization while firm set is recommended for longer retention.



Manufacturer:

Ultradent Products, Inc
505 West 10200 South
South Jordan, UT 84095
(800) 552-5512
(800) 842-9024 FAX
www.ultradent.com

Suggested Retail Price:

\$39.95 Regular (item number 1174) or firm set (item number 3037) contains:
-1 - 10-gm UltraTemp Syringe
-20 - black collars
-20 - mixing tips

Government Price:

\$33.96 Regular or firm set (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 date and lot number provided on box.
- + Adequate film thickness.
- + Material Safety Data Sheet provided in kit.

DISADVANTAGES:

- Relatively expensive.
- Limited number of mixing tips provided in kit.
- Long setting time.
- Low compressive and diametral tensile strengths.
- Removal of residual cement from the preparation may be difficult.
- Expiration date and lot number not provided on individual syringes.

SUMMARY AND CONCLUSIONS:

UltraTemp is a noneugenol-containing, polycarboxylate cement designed to temporarily lute provisional restorations to prepared tooth structure and to temporarily restore small preparations and endodontic access openings. Clinical evaluators rated UltraTemp highly overall and would consider its purchase for their clinic. The product's mixing and dispensing system was appreciated, however, the cost for this convenience is relatively high. The working time, film thickness and radiopacity were acceptable, however, the setting time may be relatively long. The provisionals were easy to remove, but clean-up of residual cement from the prepared surfaces may be more difficult. Laboratory testing found UltraTemp's strength properties to be relatively low, therefore caution should be exercised when using UltraTemp to temporize larger endodontic access openings or preparations. **UltraTemp Temporary Polycarboxylate Cement** is rated **Acceptable** for use by the federal dental services.