

### 50-41 ProBase Cold (Project 96-21S) (2/97)

ProBase Cold is a self-curing resin for making orthodontic appliances, night guards, splints, stents, and templates. The product is available in three shades: US-P (pink), US-L (light pink), and clear and is packaged in three different-size kits. Liquid and powder refills can be ordered separately. The Clear ProBase Cold was evaluated for this report.



**Manufacturer/Source:**

Ivoclar North America, Inc.  
 175 Pineview Drive  
 Amherst, NY 14228  
 (800) 533-6825  
 (716) 691-2285 FAX

**Suggested Retail Price:**

Price	Catalog Number	Powder/Liquid Quantity
\$ 18.20	3622901	100 gm/50 mL
\$145.10	3622908	1000 gm/500 mL
\$253.50	3622911	2500 gm/1000 mL

**Government Price:**

Price	Catalog Number	Powder/Liquid Quantity
\$ 14.30	3622901	100 gm/50 mL
\$113.70	3622908	1000 gm/500 mL
\$198.55	3622911	2500 gm/1000 mL

**ADVANTAGES:**

- + Evaluators noted a more intimate fit of appliances and less porosity with ProBase Cold than with other cold-cure resins with which they were familiar.
- + Crystal clear without yellowing.
- + Wet resin did not slump when building incisal guide planes on the cast.
- + Preferred by clinical evaluators for surgical splints, periodontal stents and implant templates.

**DISADVANTAGES:**

- Costs 23 percent more than the same quantity of the stocklisted item (Dentsply/Caulk Orthodontic Resin kit).

**SUMMARY AND CONCLUSIONS:**

Evaluators were impressed by the working characteristics and the appearance of the final product. The powder flowed easily and, surprisingly, the wet resin did not slump during application. Appliances, stents, and splints made with ProBase were clear and showed no yellowing. Evaluators commented that they also exhibited less porosity and seemed to fit more intimately than appliances made with other self-curing resins they had used. Finishing and polishing were simple and produced a high gloss using conventional techniques. The best results were achieved by using the recommended powder and liquid ratio for the pour or pack techniques. The ProBase Cold one-kilogram kit costs 23 percent more than the same quantity of the stocklisted item (Dentsply/Caulk Orthodontic Resin kit). This difference in price may be significant for laboratories with a limited budget. The best use of this product is to fabricate appliances that require high density and clarity, (e.g., surgical splints, periodontal stents and implant templates).

**ProBase Cold** is rated **Acceptable** for use by the federal dental services.