

## **Synopsis of Dental Sealants**

**(Project #97-37)**

**(4/98)**

Dental sealants are a vital component of caries prevention. A synopsis containing information concerning ten manufacturers ([Attachment below](#)) was compiled by DIS to assist clinicians and logistics personnel in their search for sealant materials that meet their needs. There are two basic types of sealants: filled and unfilled. Filled sealants should be more resistant to wear and therefore preferable. Eight of the ten products listed in the synopsis were advertised by the manufacturer to be filled. Only Teethmate F1 and Light Cure White Sealant are unfilled. Instructions for use are included with each of the products. All the sealants in the synopsis were listed as light-cure materials, however two of the manufacturers stated that they also have kits available that utilize self-cure materials (listed in the comments section of the synopsis). Although the prices are listed for convenience, the products are not comparable by price. Dentsply Ash sells Delton Plus Pit & Fissure Sealant at a bulk rate only, so their prices are considerably higher than the rest of the products which are priced per package. Some kits feature all the items needed to complete a sealant, while other kits only provide the sealant material. Major purchasing considerations should be based on whether the product contains fluoride, presence of filler material, completeness of the kit, and the overall ease of application.

## Synopsis of Dental Sealants

|                              |   |  |  |   |   |
|------------------------------|---|--|--|---|---|
| <b>COMPANY INFORMATION</b>   | BISCO, INC<br>1100 W Irving Park Rd<br>Schaumburg, IL 60193<br>(800) 247-3368<br>(847) 534-6111 FAX | Den-Mat Corp<br>2727 Skyway Dr<br>Santa Maria, CA 93455<br>(805) 922-8491<br>(805) 922-6933 FAX            | Dentsply Caulk<br>PO Box 359<br>Milford, DE 19963<br>(800) 532-2855<br>(800) 788-4110 FAX            | Dentsply Ash<br>1301 Smile Way<br>PO Box 7807<br>York, PA 17404<br>(800) 989-8825<br>(800) 278-4344 FAX             | Heraeus Kulzer, Inc<br>4315 S Lafayette Blvd<br>South Bend, IN 46614<br>800-343-5336<br>(219) 291-0661<br>(210) 299-6616 FAX  |
| <b>PRODUCT NAME</b>          | Sealant G-9200S   | FloRestore   | FluorShield  | Delton Plus Pit & Fissure Sealant   | Estiseal LC   |
| <b>PRICE</b>                 | \$34.60 (Retail)<br>\$29.41 (Govt.)   | \$76.74 (Retail)<br>\$61.39 (Govt.)  | \$86.00 (Retail)<br>\$42.33 (Govt.)  | \$1,485.00 Cs of 12 Pkgs. (Retail)<br>\$852.14 Cs of 12 Pkgs. (Govt.)   | \$96.70 (Retail)<br>\$55.10 (Govt.)   |
| <b>GSA CONTRACT</b>          | No  | No   | Yes - #3070K   | Yes - #V797P 3056K  | No  |
| <b>PACKAGE CONTENTS</b>      | 2 – 3 ml bottles, 5 g etch  | 9 – 1 g Syringes & 40 Syringe tips   | 2 – 5 g Tubes, 40 disposable brush tips, 1 brush handle, 1 mix pad, 1 – 10 ml bottle tooth condition | 50 cartridges of .4 ml sealant, 6 ml etchant gel, 1 direct delivery applicator, 1 brush handle w/brushes            | 2 – 1 ml syringes transparent & Opaque, 1- 2.5 g syringe durafil flow shade B, 1 - .5 ml etch gel, 1 – 15 ml 60 sec taste fluoride, tips, brushes, brush holder, & instructions |
| <b>METHOD OF APPLICATION</b> | Brush on  | Syringe delivery   | Brush on   | Syringe delivery  | Syringe delivery  |
| <b>CURING METHOD:</b>        | Light Cured   | Light Cured  | Light Cured  | Light Cured   | Light Cured   |
| <b>COLOR</b>                 | White   | A2, A3, A3.5, B1, B2, B3, C2, C3, Opaquer  | Tooth colored or Opaque White  | Opaque  | Yellowish-Transparent White-Opaque  |
| <b>FILLER CONTENT</b>        | Glass & fumed silica, 52% by weight   | Barium glass & fumed silica 40% by weight  | Glass, 50% by weight   | Glass Ionomer, 38% by weight  | Silica 32% by weight  |
| <b>CONTAINS FLUORIDE</b>     | No  | Yes  | Yes  | Yes   | No  |
| <b>ETCH SUPPLIED</b>         | Yes   | No   | Yes  | Yes   | Yes   |
| <b>INDICATIONS FOR USE</b>   | Seal Pits and Fissures  | Small restorations w/difficult access, repair margins, fill or repair cracks, pit & fissure sealants, etc. | Pit & Fissure Sealants   | Pit & Fissure Sealants  | Pit & Fissure Sealants  |
| <b>COMMENTS</b>              | N/A   | N/A  | N/A  | Pkgs. available for self- or light- cured and in different quantities, contact manufacturer. Sold only by the case. | N/A   |

Data in this table was provided by manufacturers

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|                              |   |   |   |  |   |
|------------------------------|---|---|---|--|---|
| <b>COMPANY INFORMATION</b>   | Ivoclar North America<br>175 Pineview Dr<br>Amherst, NY 14228<br>(800) 533-6825<br>(716) 691-0010<br>(716) 691-2285 FAX | J Morita, USA, Inc<br>14712 Bentley Circle<br>Tustin, CA 92780<br>(800) 752-9720<br>(714) 730-0783 FAX                      | Pulpdent Corporation<br>80 Oakland Street<br>P.O. Box 780<br>Watertown, MA 02172-0780<br>(800) 343-4342<br>(617) 926-6262 FAX | Ultradent Products, Inc<br>505 W 10200 South<br>South Jordan, UT 84095<br>(800) 793-5216<br>(801) 553-4915 FAX   | 3M Dental Products<br>Bldg 275-2SE-03<br>St Paul, MN 55144<br>(800) 634-2249<br>(800) 728-0956 FAX    |
| <b>PRODUCT NAME</b>          | Helioseal F Cartridge   | Teethmate, F1   | Seal-Rite   | UltraSeal XT Plus  | Light Cure White Sealant  |
| <b>PRICE</b>                 | \$83.00 (Retail)<br>\$37.00 (Govt.)   | \$135.00 (Retail)<br>\$81.00 (Govt.)  | \$28.50(Retail)<br>\$28.50(Govt.)   | \$43.75 (Retail)<br>\$37.19 (Govt.)  | \$168.15 (retail)<br>\$88.98 (Govt.)  |
| <b>GSA CONTRACT</b>          | No  | No  | No  | No   | No  |
| <b>PACKAGE CONTENTS</b>      | 50 Cartridges - .1 g each   | 2 - 2.5 ml resin, 6 ml K-etchant Gel, 50 applicator nozzles, 50 disposable brush tips, 1 brush tip handle, 10 mixing plates | 4 – 1.2 ml syringes: 1 of sealant, 1 of etchant, 1drying agent, 1 prophy pack. 8 tips   | 1 – 1.2 cc prefilled Ultra-Seal XT plus syringe, 1 – 1.2 cc prefilled Ultra-Etch syringe, 2 – 1.2 cc prefilled PrimaDry syringes, 20 inspiral brush tips, 10 blue micro tips, 10 white mini brush tips, 2 black micro tips | 2-6 ml light cure white sealant, 9 ml etchant gel, 1 applicator handle, 60 brushes tips, mixing well. |
| <b>METHOD OF APPLICATION</b> | Brush on  | Syringe delivery  | Syringe delivery  | Syringe delivery   | Brush on  |
| <b>CURING METHOD:</b>        | Light Cured   | Light Cured   | Light Cured   | Light Cured  | Light Cured   |
| <b>COLOR</b>                 | Opaque  | Opaque, Natural   | Tooth shade   | Opaque white, Tinted translucent, A2   | White   |
| <b>FILLER CONTENT</b>        | Floutosilicate glass & fumed silica 42% by weight   | Unfilled  | Glass filler in methacrylate resins 33% by weight   | Fluoride glass ionomer 60% by weight   | Unfilled  |
| <b>CONTAINS FLUORIDE</b>     | Yes   | Yes   | Yes   | Yes  | No  |
| <b>ETCH SUPPLIED</b>         | No  | Yes   | Yes   | Yes  | Yes   |
| <b>INDICATIONS FOR USE</b>   | Pit and fissure sealant.  | Pit & fissure sealant.  | Pit & fissure sealant.  | Pit & Fissure Sealants, and performs as micro restorative material.  | Pit & Fissure Sealant.  |
| <b>COMMENTS</b>              | N/A   | N/A   | Other kits available, contact manufacturer for information  | N/A  | Other kits & refills available for self- or light-cured, contact manufacturer for information         |

Data in this table was provided by manufacturers