

Delton FS+ Flowable Sealant (Project 00-18) (01/01)

Delton FS+ flowable sealant is based on the familiar Delton pit and fissure sealant system that has been in clinical use for over 20 years. Delton FS+ features the Direct Delivery System, which consists of a brush-tipped applicator at the end of a unit-dose delivery tube. The manufacturer states that this brush-tipped cartridge provides easy application and allows the clinician to work the sealant material into pits and fissures. Delton FS+ is said to contain two sources of fluoride and requires 20 seconds of visible light curing for polymerization. Dentsply Preventive Care states that Delton FS+ is filled 55 percent by volume to provide adequate wear resistance. The sealant is available in both tooth-colored and opaque shades.



Manufacturer:

Dentsply Preventive Care
1301 Smile Way
P.O. Box 7807
York, PA 17404-0807
(800) 989-8826
(717) 767-8502
(800) 278-4344 FAX
www.prevent.dentsply.com

Suggested Retail Price:

\$136.50 Delton FS+ Introductory Kit (item number 2995) contains:
- 50 cartridges (total of 4 mL of sealant material)
- 1 DDS autoclavable applicator
- 1 EZ Etch Syringe (3 mL)
- 25 etch syringe tips

Government Price:

\$82.08 Delton FS+ Introductory Kit (item number and contents as listed above)

ADVANTAGES:

- + Based on familiar Delton pit and fissure sealant material that has a long, positive, clinical performance history.
- + Contains fluoride.
- + Should be more wear-resistant than unfilled sealant materials.
- + Unit-dose delivery system integrates well into existing clinical application technique.
- + Phosphoric acid etch gel is easy to apply.
- + Enclosed instructions are easy to read and contain adequate detail.
- + Available in either tooth-colored or opaque shades.
- + Contains Material Safety Data Sheet (MSDS).

DISADVANTAGES:

- Applicator system may result in excess sealant material being expressed into pits and fissures.
- Sealant material's viscosity may produce voids and porosity when applied with the Direct Delivery System.

SUMMARY AND CONCLUSIONS:

Delton FS+ is a visible light-cured, unit-dose, fluoride-containing pit and fissure sealant that is available in two shades. The product's purported filler content of 55 percent should make Delton FS+ the most wear-resistant of all of Dentsply's marketed sealant materials. Delton FS+ is packaged with the Direct Delivery System, which features a brush tip at the end of the application cartridge. Clinical evaluators reported that Delton FS+ integrated well into their existing clinical technique, but some evaluators reported that the Direct Delivery System tended to express excess sealant material during application. Also, the viscosity of Delton FS+ may make it more suitable for preventive resin restorations than as a pit and fissure sealant. **Delton FS+** is rated **Acceptable** for use by the federal dental services.