

## Dental Sealant

### What is a Sealant?

A dental sealant is a thin plastic film painted on the chewing surfaces of molars & premolars (the teeth directly in front of the molars). Sealants have been shown to be highly effective in the prevention of cavities.

### How Effective are Sealants?

Scientific studies have proven that properly applied sealants are 100 percent effective in protecting the tooth surfaces from caries. Because sealants act as a physical barrier to decay, protection is determined by the sealants' ability to adhere to the tooth. As long as the sealant remains intact, small food particles & bacteria that cause cavities cannot penetrate through or around a sealant. In fact, research has shown that sealants actually stop cavities when placed on top of a slightly decayed tooth by sealing off the supply of nutrients to the bacteria that causes a cavity. Sealant protection is reduced or lost when part or all of the bond between the tooth & sealant is broken. However, clinical studies have shown that teeth that have lost sealants are no more susceptible to tooth decay than teeth that were never sealed.

### How are Sealants Applied?

Sealant application involves cleaning the surface of the tooth & rinsing the surface to remove all traces of the cleaning agent. An etching solution or gel is applied to the enamel surface of the tooth, including the pits & grooves. After 15 seconds, the solution is thoroughly rinsed away with water. After the site is dried, the sealant material is applied & allowed to harden by using a special curing light. Sealant treatment is painless & could take anywhere from five to 45 minutes to apply, depending on how many teeth need to be sealed. Sealants must be applied properly for good retention.

### How Long Will a Sealant Last?

Sealants should last five years, but can last as long as 10 years. One study reported that seven years after application, an impressive 49 percent of treated teeth were still completely covered. Sealants should not be considered permanent. Regular dental check-ups are necessary to monitor the sealants' bond to the tooth.



## Dental Sealant (continued)

### **Who Should Receive Sealant Treatment?**

Children, because they have newly erupted, permanent teeth, receive the greatest benefit from sealants. The chewing surfaces of a child's teeth are most susceptible to cavities & the least benefited by fluoride. Surveys show that approximately two-thirds of all cavities occur in the narrow pits & grooves of a child's newly erupted teeth because food particles & bacteria cannot be cleaned out. Other patients also can benefit from sealant placement, such as those who have existing pits & grooves susceptible to decay. Research has shown that almost everybody has a 95 percent chance of eventually experiencing cavities in the pits & grooves of their teeth.

### **Are Sealants Covered by Insurance?**

Benefits for sealant procedures is different from one policy to the next. If you require knowledge of your benefit before proceeding, we would be happy to provide you with the sealant insurance code so that you can inquire from your company.

Sealants are a preventive procedure that will reduce the chance of needing future fillings which are more costly & more involved.

If you have any questions, please call us at **(905) 896-4832**.

