

# Fissure Sealant

## Fissure Sealant

Fissure Sealant is a simple and highly effective method to prevent pit and fissure decay.

## Pit and Fissure

A pit is a small pointed depression in dental enamel while a fissure is a developmental line fault related to genetic factors, which is usually found in the chewing surface or cheek side of a tooth. These pit and fissures can be deep or shallow.



For example: Chewing surfaces of permanent molars usually have more fissures and deeper pits.

### **Hidden danger:**

The pit and fissures are often so deep that it is difficult for the bristles of a toothbrush to clean the plaque deposits in the area

### **Possible consequence:**

Pit and fissure decay

### **Effective preventive measure:**

Fissure Sealant

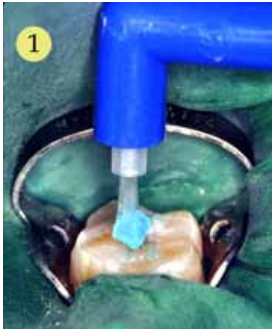
## **What is a Fissure Sealant?**

### **The characteristics of Fissure Sealant:**

- a kind of resin-base restorative material
- harden by light-curing

- tasteless
- white or tooth coloured

### Treatment Procedure:



Acid-etching so that the sealant will bond to the enamel



Application of sealant



Light curing to harden the sealant

### Ideal properties of Fissure Sealant

Fissure Sealant can bond to the enamel tightly to provide a wall of defence which seals the pit and fissures. This helps to keep dental bacteria away from the area and reduces the chance of pit and fissure decay.

### Durability

With proper oral care habit and application procedure, Fissure Sealant can last for many years without re-application.

### Maintenance

Annual dental check up is recommended for dental professionals to examine the retention of the Fissure Sealant, and to re-apply if necessary. This could ensure the effectiveness of the sealant.

### Who need Fissure Sealant?

Since Fissure Sealant is a preventive method used by dentists or dental professionals to prevent dental decay, it is recommended to be placed in teeth with deep pit and fissures which are prone to decay.

If your teeth have deep and sound pit and fissures, you should discuss with your dentist whether you need to have Fissure Sealant on them in order to prevent decay.



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