



## ValueSeal Pit & Fissure Sealant

### PRODUCT DESCRIPTION

ValueSeal Pit & Fissure Sealant is a flowable, light curing, radiopaque, fluoride releasing sealant. It is designed to protect the fissures of teeth against caries by forming an impermeable layer. The sealant acts as a preventive measure by not allowing food or bacteria to enter the fissure. Therefore, fissure sealing plays a key role in the prevention of caries.

Intended Use: Dental sealant

Use environment: Dental practice

Patient target group: People treated in the course of a dental procedure with no limitations in age or gender.

### COMPOSITION

Methacrylate monomers (including Bis-GMA, TEGDMA)

Inorganic fillers

Fluoride salts

### INDICATIONS

- Pits and fissures of molars and premolars
- Fissures on the lingual sides of anterior teeth

### APPLICATION

Clean the enamel surface of the tooth thoroughly with a prophylaxis paste or pumice in order to remove any plaque residue. Isolate the teeth to be sealed with a rubber dam or with cotton rolls and aspirator tip. A dry working field is needed for successful sealing. Conduct etching following the corresponding instructions of use. After etching has taken place rinse surface thoroughly with water. Dry with oil-free clean dry air. The area will have a chalky white appearance. If not, saliva contamination may have occurred and etching should be repeated. Check that area to be sealed is dry.

SYRINGE (Take appropriate measures to avoid cross contamination between patients): Remove cap of ValueSeal Pit & Fissure Sealant syringe and place a disposable syringe tip firmly onto syringe. Apply sealant directly to the fissure in a thin layer without air bubbles. Allow 15 seconds for the resin to penetrate the fissure and pores in the enamel. Light cure keeping the tip of the light as close to the surface as possible. In case oxygen inhibition layer is formed wipe off with cotton pellet and dry the cavity. Remove syringe tip and place cap on syringe immediately after use. The syringe tip is for single use only. Be aware that polymerization may be started by ambient lighting or the dental operating light. Light cure each layer with a halogen, LED light ( $\geq 400\text{mW/cm}^2$ ). Curing wavelength  $470\pm 20\text{nm}$ .

### Curing Time

40 seconds ( $400\text{-}1000\text{mW/cm}^2$ ) / 20 seconds ( $>1000\text{mW/cm}^2$ )

Examine the sealant both visually and with an explorer. The whole process will have to be repeated if part of the sealant can be dislodged.

### PRECAUTIONS

- Use of protective gloves and a no-touch technique is recommended
- Do not use any resin to adjust viscosity of composite material
- Replace cap immediately after use
- Neither store the composite material in proximity of eugenol containing products, nor let the composite come into contact with materials containing eugenol. Eugenol can impair the hardening of the composite and causes discoloration
- Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water and consult a physician if necessary

- Seek immediate medical attention in case of ingestion
- Do not use after the use-by date

### CONTRAINDICATIONS

Application of the above material is contraindicated:

- If a dry working field cannot be established
- If a patient is known to be hypersensitive or allergic to any of the ingredients

### STORAGE

Store at 4-25°C (39-77°F). If temperature exceeds this, storing in refrigerator is recommended.

Caution: Do not freeze, do not expose to direct light or other heat sources. Return to room temperature before use. Keep material out of children's reach.

### LOT NUMBER AND EXPIRY DATE

The above are printed on each package and should be quoted in all correspondence which requires identification of the product.

### DISPOSAL

Dispose of the product according to local regulations as applicable

### USERS / FOR PROFESSIONAL USE ONLY

These materials have been developed for use exclusively by dental professionals and must be handled according to the instructions of use. The recommendations included in the instructions correspond to the actual state of knowledge regarding dental techniques. This does not relieve the user from determining the suitability of the product for its intended purpose. The manufacturer cannot be held responsible for damages caused by other uses or incorrect handling.

### REPORTING OBLIGATIONS

Should a serious incident in relation to this product occur, it should be reported to the manufacturer and the competent authority.









### MANUFACTURED FOR / DISTRIBUTED BY

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#### Symbols glossary

	Medical device
	Consult instructions for use
	Caution
	Keep away from direct sunlight
	Temperature limit
	Catalogue number
	Batch code
	Use-by date