Helioseal®
Fissure sealants with power

Helioseal sealants don’t give the opponent a chance
Pits and fissures are highly susceptible to dental caries. Due to their complex structure, they are often difficult to keep clean with everyday oral hygiene measures.

The bristles of the toothbrush do not reach the bottom of the fissure.

No chance for toothbrushes

The intricate profile of the fissures prevents the bristles of the toothbrush from cleaning the bottom. As a result, harmful bacteria are given the opportunity to colonize these sites. Carbohydrates continue to reach the bacteria unhindered and promote their growth, which leads to the formation of caries.

Sealing offers an effective defence

Sealing with Helioseal® protects these highly susceptible surfaces. Helioseal covers pits and fissures with an impervious coating. The sealant closes up the retention niches where bacteria live and cuts off the carbohydrate supply that sustains them.

What is more, the smooth surfaces produced with the sealant are easy to keep clean.
Helioseal®

Three fissure sealants for greatest clinical demands

The choice is yours

You can choose between three different light-curing resin-based Helioseal sealants to fulfil your sealing needs:

- **Helioseal**
  The original sealant in a bottle

- **Helioseal F**
  A fluoride releasing sealant supplied in innovative syringes and in cavifils

- **Helioseal Clear**
  A clear version of the sealant supplied in innovative syringes

### Helioseal

- Pigmented
- Without fluoride
- Without fillers, low viscosity
- Easy to check retention
- Bottle

Fissure sealing with Helioseal F
The Helioseal sealants differ from one another in terms of their delivery form and their viscosity, colour and fluoride content. However, they all show the same high clinical performance.

Helioseal F and Helioseal Clear are supplied in a new ergonomically designed syringe. As the syringe fits snugly in the hand, it enables the operator to work comfortably. Therefore, the contents of the syringe are dispensed more accurately and applied with more precision than in the past. Moreover, the slender tips allow the seal-ant to be applied quickly and selectively.

<table>
<thead>
<tr>
<th>Helioseal F</th>
<th>Helioseal Clear</th>
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<tbody>
<tr>
<td>Pigmented</td>
<td>Clear, transparent</td>
</tr>
<tr>
<td>With fluoride</td>
<td>Without fluoride</td>
</tr>
<tr>
<td>40% filler content, higher viscosity</td>
<td>Without fillers, low viscosity</td>
</tr>
<tr>
<td>Easy to check retention</td>
<td>Changes under the sealant are easily detected</td>
</tr>
<tr>
<td>Ergonomic syringe or Cavifil</td>
<td>Ergonomic syringe</td>
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Sealing teeth in the upper jaw is greatly simplified with the new applicator in combination with the flow properties of the material. Gravity is hardly an issue in the application of Helioseal F.
Long-term clinical success

The performance of Helioseal sealants is backed by many years of clinical experience. Their effectiveness in protecting deciduous and permanent teeth against caries is clearly documented. At-risk fissures are easy to seal due to the excellent flow and wetting properties of the sealants. A tight bond to the enamel is created, which ensures long-term retention and tight sealing of pits and fissures. In addition, the sealants are wear resistant.

Marginal integrity of 30 fissures sealed with Helioseal F after 12 months in situ (Koch et al. 1997)

A part of the i-Kids Program

The Helioseal sealants are components of the Ivoclar Vivadent i-Kids Program, which offers professional solutions for customized oral health management for children and adolescents. The i-Kids Program comprises all the products needed for sealing teeth effectively with the Helioseal products:

Features | Benefits
---|---
Three different Helioseal sealants | A solution for individual needs
Long-term clinical experience | Reliability
Ergonomical to use | Precision application
Excellent flow and wetting properties | Even distribution on intricate surfaces
Tight bond to dental enamel | Long-lasting retention
Tight marginal seal | Resistance against cariogenic bacteria
Resistance against cariogenic bacteria | Effective protection against caries

Email Preparator Helioseal® F bluephase®
OptraPol®
Next Generation Fluor Protector
OptraGate® Junior
OptraDam® Plus Proxyt®

A solution for individual needs
Reliability
Precision application
Even distribution on intricate surfaces
Long-lasting retention
Resistance against cariogenic bacteria
Effective protection against cariogenic bacteria
Helioseal®

Fissure sealants for customized oral health management

The Helioseal sealants significantly contribute to keeping teeth healthy in the long term.

Delivery forms Helioseal

Assortment
1 bottle Helioseal, 8 g
1 Email Preparator, 6 g
Accessories

Refill
1 bottle Helioseal, 8 g
Accessories

Delivery forms Helioseal F

Assortment
5 syringes Helioseal F, 1.25 g each
1 Email Preparator, 6 g
Accessories

Cavifil
50 Cavifils Helioseal F, 0.1 g each

Cavifil Injector
1 Cavifil Injector

Delivery forms Helioseal Clear

Assortment
5 syringes Helioseal Clear, 1.25 g each
1 Email Preparator, 6 g
Accessories

Refill
1 syringe Helioseal Clear, 1.25 g
Accessories

Fast examination

Customized treatment

Professional Care products are designed to evaluate the individual treatment needs of patients and to take effective combined measures.

<table>
<thead>
<tr>
<th>CRT® bacteria</th>
<th>Cervitec®</th>
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<tbody>
<tr>
<td>Test for establishing the mutans streptococci and lactobacilli counts in saliva and in plaque</td>
<td>Protective varnish, oral health care gel and mouth rinse containing chlorhexidine and more</td>
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<tr>
<th>CRT® buffer</th>
<th>Fluor Protector</th>
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<tbody>
<tr>
<td>Test for determining the buffering capacity of saliva</td>
<td>- Protective varnish containing fluoride</td>
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<tr>
<td>- Intensive care gel containing calcium, phosphate and fluoride</td>
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<table>
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<tr>
<th>Plaque Test</th>
<th>Proxyt®</th>
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<tr>
<td>Fluorescent disclosing liquid for revealing plaque</td>
<td>Prophy pastes</td>
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<th>Literature</th>
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Vrbic V. Retention of a fluoride-containing sealant on primary and permanent teeth 3 years after placement. Quintessence Int 1999; 30: 825-828

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