TEMPORARY & PERMANENT CEMENTS
KROMOGLASS: glass ionomer water based cements

KROMOGLASS 2

KROMOGLASS 2 is a water based glass ionomer cement (mixable with water), formulated for deciduous teeth class 1 fillings, repairing cuneiform defects, erosions of enamel and roots at the neck of the tooth, class 3 permanent fillings, class 5 fillings, fissures filling, support filling for crown and bridges. Thanks to the excellent chemical bonding and adhesive properties KROMOGLASS 2 does not require the preparation of retention points. Optimal consistency when applying, fast setting, easy to touch up, good aesthetic results and high resistance to abrasion and compression are all together a guarantee of successful long lasting applications.

KROMOGLASS 3

KROMOGLASS 3 is a water based glass ionomer cement (mixable with water), formulated for permanent cementing of crown and bridges, inlays, onlays, and orthodontic bands. Cementing of ceramic restorations (silicate ceramic, zircon oxide, aluminum oxide). KROMOGLASS 3 is a micro-fine cement with extraordinary adhesiveness to enamel and dentine, ultra-thin film (20-25 µm) Thanks to the no-sticky consistency it is very easy to apply. Zero dimensional variation, stable expansion setting, high resistance to compression and low solubility are guarantee of accurate and long lasting cementation applications.

Perfectly radiopaque Kromoglass eases controls and subsequent diagnoses.

Long term high percentage fluoride release prevents from the risk of new caries.

Radiopaque

Fluoride release

Low thermal reaction/sensitivity

<table>
<thead>
<tr>
<th></th>
<th>KROMOGLASS 2</th>
<th>KROMOGLASS 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing time*</td>
<td>40 sec.</td>
<td>30 sec.</td>
</tr>
<tr>
<td>Working time including mixing time*</td>
<td>2,5-3,5 min.</td>
<td>3 min.</td>
</tr>
<tr>
<td>Setting time in mouth</td>
<td>5 - 6 min.</td>
<td>6 - 7 min.</td>
</tr>
<tr>
<td>Resistance to compressive strength</td>
<td>150-170 MPa</td>
<td>90-130 MPa</td>
</tr>
<tr>
<td>Water solubility</td>
<td>0,2-0,4%</td>
<td>0,3-0,9%</td>
</tr>
<tr>
<td>Film thickness</td>
<td>-</td>
<td>20-25 µm</td>
</tr>
</tbody>
</table>

* Tested at 23°C
LITARK temporary filling cement

Ongoing research, together with the commitment to constantly improve the products has made it possible to develop the new formulation of provisional cements LITARK and FILLFIX. Completing the range of glass ionomer cements that can be mixed with water, are KROMOGLASS 2, specifically for fillings, and KROMOGLASS 3 for anchoring.

**New packaging**

The new packaging in a 30 g. tube with screw cap allows for perfect closing after use, thus keeping the characteristics of the product unaltered after opening the tube.

**New formula**

The improved viscosity ensures better workability, facilitating application.

**Eugenol free**

LITARK temporary filling cement is eugenol free.

**Compatibility**

LITARK is perfectly compatible with the most commonly used materials such as gutta-percha, calcium hydroxide, flow, etc. It offers excellent adhesion to the residual structure of the tooth and it is not necessary to create any additional retentions. LITARK is self-hardening and sets quickly on contact with the saliva. No heat is produced during the setting process, thus avoiding any thermal stimuli on the dental pulp. Its high degree of impermeability to the liquids in the oral cavity, combined with the hardness of the material after setting are a guarantee of durability and strong resistance to the masticatory loads. (Avoid strong masticatory pressure for at least 2 hours after application).

**Easy to remove**

LITARK and its residues can easily be removed with the most widely used hand instruments. Alternatively, rotating instruments can be used.
FILLFIX is a zinc oxide temporary cement with or without eugenol for crown, bridges, inlay and onlay. Our research laboratories and new products development experts engineered the best possible combination of raw materials and manufacturing technology. LASCOD innovative temporary cement delivers efficient quality to the dental clinic. FILLFIX is competitively priced in order to offer you the price/quality ratio you have been waiting for.

Alternative for patients allergic to eugenol. It does not prevent the setting of acrylic resins, glass ionomer and resin cements.

Temporary cementing of oral prosthetic apparatuses has never been so easy. FILLFIX excellent viscosity allows easy mixing and an ultra-thin film preparation for easy application.
right on time

FILLFIX long enough working time eases your preparation. After insertion in the oral cavity, the product sets quickly making the most of yours and your patient’s available time.

<table>
<thead>
<tr>
<th></th>
<th>Fillfix with eugenol</th>
<th>Fillfix without eugenol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing ratio</td>
<td>1:1 vol.</td>
<td>1:1 vol.</td>
</tr>
<tr>
<td>Mixing time*</td>
<td>40 - 60 sec.</td>
<td>40 - 60 sec.</td>
</tr>
<tr>
<td>Working time*</td>
<td>1 - 2 min.</td>
<td>1 - 2 min.</td>
</tr>
<tr>
<td>(after the mixing time)</td>
<td>5 - 6 min.</td>
<td>8 - 10 min.</td>
</tr>
</tbody>
</table>

* tests conducted at 12°C +/-1° and relative humidity 50% +/-5% (optimal conditions).
** test conducted at 37°C +/-1° and relative humidity >95%. Higher temperature and humidity will reduce mixing and working time.

zero solubility

FILLFIX zero solubility is a guarantee for stable cementing with a low risk of seepage.

a clean job

**Before...**
Position the prosthesis and wait for the material to set. FILLFIX in excess is easily removed.

**After...**
Although FILLFIX is a stable cement over time, it is extremely easy to remove your oral prosthetic apparatus when deemed necessary. FILLFIX ultra-thin film will not stick to the stump and remain on the crown or bridge internal surface.
Packaging

**LITARK**
Temporary filling cement
30 g tube

**FILLFIX non eugenol**
Zinc oxide/non eugenol temporary cement
50 g Base + 15 g Catalyst + Mixing pad

**FILLFIX**
Zinc oxide/eugenol temporary cement
50 g Base + 15 g Catalyst + Mixing pad

**KROMOGLASS 2**
Water-mixable glass ionomer cement for filling
20 g Powder

**KROMOGLASS 3**
Water-mixable glass ionomer cement for luting
35 g Powder

Selected from our ZEFFIRO catalogue and surely useful for use of our cements.

**accessories**

**ZFK 011**

**ZFG 036**

**ZEF 001**

**ZEF 003**

**ZEF 005**

The photographic images here reproduced are purely indicative and are not necessarily identical to the actual products.