**1. Preparation**

**CAD/CAM process**

Observe the preparation guidelines and minimum thicknesses for preparation.

**Try-in**

As a preparation for intra-oral imaging, cover the preparation with IPS Contrast Spray Chairside.

**CAD/CAM process**

Mill the restoration from IPS e.max CAD.

**Smooth out the attachment points and finish the restoration.**

**Try in the restoration in its blue state. Check and adjust the occlusion/articulation, if required.**

---

**2. Preparation for combination firing**

**Crystallization and Glaze**

Fill the restoration with IPS Object Fix Putty and press the IPS e.max CAD Crystallization Pin into the Putty material.

**Adapt IPS Object Fix Putty to the pin and crown margin. Avoid contamination of the outer side of the restoration.**

**Remove any contamination from the outer surface of the crown using a brush dampened in water.**

**Apply individual characterizations using IPS e.max CAD Crystall./Shades and Stains.**

**Spray an even and covering layer of IPS e.max CAD Crystall./Glaze Spray onto the restoration.**

---

**3. Combination firing**

**Cleaning**

Place the restoration in the center of the IPS e.max CAD Crystallization Tray.

**Conduct the combination firing based on the number of restorations and the type of glazing using the Programat CS2.**

**After cooling, remove the restoration from the auxiliary firing paste.**

**Clean the restoration with ultrasound in a water bath.**

**After crystallization, try in the restoration.**

---

**4. Preparation for cementation**

**Placement**

Before final placement, etch the restoration for 20 seconds using IPS Ceramic Etching Gel.

**Allow Monobond® Plus to react for 60 seconds and dry with air.**

**Clean the preparation, rinse with water and blow dry with air. Apply Multilink® Automix Primer A/B, scrub it in for 30 seconds and disperse excess with blown air.**

**Apply Multilink® Automix to the internal surface of the restoration.**

**IPS e.max CAD restoration in situ.**

---

*IPS e.max CAD Crystall./Glaze Paste may optionally be used to glaze the restoration. For the fabrication of inlays and onlays, observe the Instructions for Use of IPS e.max Chairside!*
**Preparation guidelines**

![Images of different types of dental restorations: Veneer, Anterior crown, Inlay, Onlay, Partial crown, Posterior crown]

**Programat® CS2**

The Programat CS2 is the ideal ceramic and crystallization furnace for dentists. It has been especially developed for the crystallization of IPS e.max CAD restorations.

Among other features, the Programat CS2 is equipped with pre-installed IPS e.max CAD programs, which are used depending on the working technique and glaze material (spray or paste). Also, individual programs can be saved.

**Cementation**

<table>
<thead>
<tr>
<th>Indication</th>
<th>IPS e.max CAD (lithium disilicate glass-ceramic)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cementation method</strong></td>
<td>Veneers, Inlays, partial crowns</td>
</tr>
<tr>
<td></td>
<td>Anterior and posterior crowns</td>
</tr>
<tr>
<td>Cementation method</td>
<td>adhesive</td>
</tr>
<tr>
<td></td>
<td>adhesive</td>
</tr>
<tr>
<td></td>
<td>self-adhesive* / conventional</td>
</tr>
<tr>
<td>Etching</td>
<td>20 sec. with IPS® Ceramic Etching Gel</td>
</tr>
<tr>
<td></td>
<td>20 sec. with IPS® Ceramic Etching Gel</td>
</tr>
<tr>
<td>Conditioning/Silanating</td>
<td>60 sec. with Monobond® Plus</td>
</tr>
<tr>
<td></td>
<td>60 sec. with Monobond® Plus</td>
</tr>
<tr>
<td></td>
<td>----*</td>
</tr>
<tr>
<td>Cementation material</td>
<td>Variolink® Esthetic, Multilink® Automix</td>
</tr>
<tr>
<td></td>
<td>Variolink® Esthetic, Multilink® Automix</td>
</tr>
<tr>
<td></td>
<td>SpeedCEM®, Vivaglass CEM®*</td>
</tr>
</tbody>
</table>

*For self-adhesive cementation, the restorations must be silanized. * self-adhesive powder/liquid systems

**See Instructions**

Ivoclar Vivadent AG, 9494 Schaan, Liechtenstein
627931en/2015-04-13