**Indications for Use**

1. Cementation of crowns, bridges, inlays and onlays
2. Cementation of prosthetic restorations on implant abutments and frames*
3. Cementation of adhesion bridges and splints*
4. Cementation of posts and cores
5. Amalgam bonding*

* Refer to the IFU for 2, 3 and 5 of Indications.

**Conditioning the prosthetic restoration**

Follow the Instructions for Use of the restoration material. In the absence of specific instructions, we recommend the following procedure:

1. Blast with alumina powder (30-50 µm), then ultrasonic clean and dry.*
2. Blast with alumina powder (30-50 µm), then ultrasonic clean and dry.*
3. Apply a hydrofluoric acid, then rinse with water and dry.

**Indication 1: Cementation of Crowns**

- Clean and dry the tooth surface, and then trial fit the prosthetic restoration.

**Indication 4: Cementation of Posts**

- Clean and dry the cavity, and then trial fit the post.

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*1 Refer to table 1 for working time.
*2 The presence of water can shorten the working time.
* Refer to table 1 for working time.
* Refer to “Conditioning the prosthetic restoration”.
* Refer to “Conditioning the prosthetic restoration”. Refer to table 1 for working time.
* Refer to table 1 for working time.
* Refer to table 2.
**Indication 1** Cementation of Crowns with CLEARFIL Universal Bond Quick (BOND)

Clean and dry the tooth surface, and then trial fit the prosthetic restoration.

1. **Conditioning the crown**

   - Refer to “Conditioning the prosthetic restoration”.

2. **Tooth Pretreatment**

   - **Self-etching** (Move to section 3)
   - **Selective-etching**
     - Apply a phosphoric acid to the uncut and/or cut enamel, then rinse and dry.
   - **Total-etching**
     - Apply a phosphoric acid to the entire cavity, then rinse and dry.

3. **Apply BOND with a rubbing motion**

4. **Dry by blowing mild air until BOND does not move**

5. **Dispense an equal amount of Paste A & B. Mix Paste A & B for 10 seconds.**

6. **Apply the cement to the crown.**

7. **Place the crown.**

8. **Light-cure for 1 to 2 seconds or chemical-cure for 2 to 4 minutes, then remove the excess cement.**

9. **Maintain isolation for 5 minutes.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Light source</th>
<th>Light Intensity</th>
<th>Curing time</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-intensity BLUE LED</td>
<td>BLUE LED</td>
<td>More than 1500 mW/cm²</td>
<td>Twice for 3 to 5 sec.</td>
</tr>
<tr>
<td></td>
<td>BLUE LED</td>
<td>800-1400 mW/cm²²</td>
<td>10 sec.</td>
</tr>
<tr>
<td>Halogen</td>
<td>Halogen lamp</td>
<td>More than 400 mW/cm²²</td>
<td>10 sec.</td>
</tr>
</tbody>
</table>

* For translucent restoration, light-cure. Refer to table 2.

**Table 1: Working time**

<table>
<thead>
<tr>
<th>Working time after mixing (23°C/ 73°F)</th>
<th>Automix</th>
<th>Handmix</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 min.</td>
<td>2 min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Working time after insertion of the paste into the cavity (37°C/ 99°F) (when used with CLEARFIL Universal Bond Quick)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 sec. (30 sec.)</td>
</tr>
</tbody>
</table>

**Table 2: Curing time for type of light source**

* For the light intensity, refer to the IFU of the dental curing unit.