ACTIVA™ BioACTIVE-CEMENT™ is used for all crown materials and simplifies the process for choosing a cement.

### Crown Surface Preparation Simplified

<table>
<thead>
<tr>
<th>Material</th>
<th>Preparation Steps</th>
</tr>
</thead>
</table>
| Metal, PFM, Stainless Steel | 1. Clean and dry inside surface of crown  
                                2. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |
| Composite Resin           | 1. Clean and dry inside surface of crown  
                                2. Phosphoric acid, rinse and dry  
                                3. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |
| Lithium Disilicate e.max  | 1. Clean and dry inside surface of crown  
                                2. Hydrofluoric acid etch, rinse and dry  
                                3. Apply Silane  
                                4. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |
| Glass Ceramic             | 1. Clean and dry inside surface of crown  
                                2. Hydrofluoric acid etch, rinse and dry  
                                3. Apply Silane  
                                4. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |
| Zirconia                  | 1. After try-in, sand blast interior or use Ivoclean® to eliminate saliva contamination  
                                2. Apply a zirconia primer, e.g., Z-Prime Plus® or Monobond Plus®  
                                3. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |
| Reinforced Composite Blocks | 1. Sand blast inside surface of crown  
                                2. Hydrofluoric acid etch, rinse and dry  
                                3. Apply Silane  
                                4. Apply ACTIVA™ BioACTIVE-CEMENT™                                           |

### Bonding Considerations

<table>
<thead>
<tr>
<th>Crown Prep Type</th>
<th>Bonding Agents Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retentive Crown Prep</td>
<td>No bonding agent needed with ACTIVA™ BioACTIVE-CEMENT™</td>
</tr>
<tr>
<td>Non-Retentive Crown Prep</td>
<td>Use dual cure bonding agent with ACTIVA™ BioACTIVE-CEMENT™</td>
</tr>
</tbody>
</table>

### Esthetics and Shade Considerations - Chameleon Effect

<table>
<thead>
<tr>
<th>Shade Cement Type</th>
<th>Shade Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 Shade Cement</td>
<td>For non-visible margins or as an esthetic choice</td>
</tr>
<tr>
<td>Transparent Shade Cement</td>
<td>For visible margins and lighter shades</td>
</tr>
</tbody>
</table>

- Supports the natural remineralization process
- Virtually eliminates microleakage
- Resists acid erosion & bacterial invasion
- Insoluble—No wash out
- Helps protect against secondary caries

**XF-VCG-02**  
**REV: 09/2019**