**Q-Crown**

**CLINICAL EVALUATION**

**84% overall rating**

**RATING SYSTEM:** Excellent +++++  Very Good ++++  Good +++  Fair ++  Poor +

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**BJM LABS**

www.bjmlabs.com

**Description**

**Q-Crown** is a resin-based, biocompatible, self-curing direct temporization material. After mixing, self-curing takes 3 minutes. **Q-Crown** offers a high compressive strength (180-220 MPa after 24 hours) and flexural strength (40-60 MPa after 10 minutes; 120-150 MPa after 24 hours). Initial set occurs within 1 to 1.5 minutes of mixing. The temporary should be removed from the preparation(s), together with the impression, during the initial set at 1 to 1.5 minutes while it is still easy to remove. The temporary is removed from the impression 2 to 2.5 minutes after mixing and excess removed, before wiping the temporary with alcohol to remove the air-inhibited layer. Final set takes 4 to 5 minutes from initial mixing, after which the restoration is finished and polished. **Q-Crown** glaze is used on the cemented temporary restoration and light-cured on each surface for 20 seconds, providing for a high gloss. **Q-Crown** is delivered in a kit with three, 5 mL automix syringes, one each in shades A, A2 and A3. Other components in the kit include 25 mixing tips, 25 microbrushes, 1 5 mL bottle of **Q-Crown** light-curing glaze and the manufacturer’s instructions for use.

**Indication**

- Direct temporization chairside.

**Unique Features**

- Exceptionally tight marginal seal for precision fit and high mechanical strength, making it suitable for long-term temporary crowns and bridges.
- Polymerization does not cause a high-temperature exothermic reaction.

**Consultants’ Comments**

- “I found it easy to remove from the tooth and easy to trim.”
- “Temporary restorations were esthetic, looked natural and the glaze looked very nice.”
- “Great product. Strong, easy to handle and esthetic.”
- “The small tips mean there is little waste and they store nicely in the kit.”
- “The material’s hardness and accuracy are both a strength and a weakness. We had to section off our long-term temporaries, but the material served its purpose.”
- “Patients did not like the taste.”
- “The material fractured easily, and crowns were brittle. It needs to be stronger.”
- “Margins were not crisp.”
- “I found it less user-friendly compared to other auto-mix materials.”
- “I would like to see if available in a gun dispenser and auto-mix capsules.”

**Clinical Tips**

- Use a timer and make sure that you pay attention to the working time.
- To help prevent the material from sticking to the tooth, apply lubricant to the preparation before creating the temporary.
- To avoid bubbles, be sure to bury the syringe tip when extruding the material from the syringe.
- Spray the interior of the impression with a silicone spray.
- I would include this is my armamentarium to have on hand for bruxers.
- Rest for long-term temporaries.

**Evaluation Highlights**

- Fast set.
- Good fit.
- Low shrinkage.
- Easy to trim.
- Esthetic temporaries in the available shades.

**Key Features:**

<table>
<thead>
<tr>
<th>Ease</th>
<th>Very Good</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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</table>

**Compared to Competitive Products:**

- 19% Better
- 28% Equivalent
- 53% Worse

**Percentage of Consultants Who Would:**

- Recommend: 50%
- Switch to: 31%
- Add to armamentarium: 41%