Something **REALLY COOL**

is happening to the

**Temporary Material Market**
Introducing
REVOTEK™ LC
Introducing

REVOTEK™ LC

Light-cured Single-Component, Sculptable Composite Resin for Temporary Restorations

WAY TOO COOL
REVOTEK™ LC

NEW CONCEPT

• Makes fabricating temporary restorations easier
• Much faster to work with - saves time
• In many cases, improves fabrication method
• 1/2 the cost of a comparable bis-acryl restoration
REVOTEK™ LC

HIGH TECH MATERIAL

- Urethane Dimethacrylate - UDMA Resin
- No Methyl Methacrylate - MMA
- Unlimited working time
- Light-cures with Standard Curing Light
- No heavy air-inhibited layer
REVOTEK™ LC

EASIER TO USE

• No mixing required. No messy powder-liquids.
• No wasteful cartridges and mixing tips.
• Super handling - not sticky, messy or runny.
• Easy to place, contour, sculpt and shape.
• No exothermic heat. No odor. No irritation.
• No preoperative impression or stent required.
• No wax-ups or model modifications.
REVOTEK™ LC

MUCH FASTER

• No time required for mixing.
• Fewer steps. No impression or prefabrication needed.
• No sticky, heavy oxygen-inhibited layer to clean off.
• Light-cures 10 sec. intraorally to form restoration.
• Final light-cures 20 sec. per surface outside mouth.
• Minimal occlusal adjustment - functionally registered.
REVOTEK™ LC

LIGHT-CURED

- Polymerizes with almost any dental curing light.
- Can be final cured in a VLC curing unit.
- Unlimited working time - light-cure when ready.
- Light-proof storage case keeps material fresh.
DIRECT OR INDIRECT

- Create temporary restorations directly in the mouth
- Fabricate on model (using a separating agent)
- Reline prefabricated crowns
- Create bridge with or without stent fabrication
REVOTEK™ LC

SIMPLE CEMENTATION

- Virtually any temporary cement
- GC Nogenol™
- GC Freegenol™
# PHYSICAL PROPERTY COMPARISONS

**NOTE:** REVOTEC LC can be trimmed and finished after light-curing outside the mouth for 20 seconds per restoration surface (including interior surface).

<table>
<thead>
<tr>
<th>Physical Properties Comparison</th>
<th>REVOTEC LC</th>
<th>Typical Bis-Acrylic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Light-cured Urethanedimethacrylate (UDMA) Composite Resin Methylmethacrylate-FREE</td>
<td>Self-cured Bis-Acrylic Resin</td>
</tr>
<tr>
<td>Working time</td>
<td>unlimited</td>
<td>45 to 90 seconds</td>
</tr>
<tr>
<td>Remove from mouth</td>
<td>after 10 sec. light-cure</td>
<td>1 to 3 minutes</td>
</tr>
<tr>
<td>Remove air-inhibited layer</td>
<td>NA</td>
<td>6 minutes</td>
</tr>
<tr>
<td>Final trim and polish</td>
<td>after 20 sec. light-cure</td>
<td>6 to 7 minutes</td>
</tr>
<tr>
<td>Flexural Strength (@ 30 min.)</td>
<td>59.3 MPa</td>
<td>16.3 to 17.4 MPa</td>
</tr>
<tr>
<td>Flexural Modulus (@ 30 min.)</td>
<td>1.41 GPa</td>
<td>0.21 to 0.29 GPa</td>
</tr>
<tr>
<td>Flexural Energy (@ 30 min.)</td>
<td>3.8 MPa</td>
<td>1.4 to 2.7 MPa</td>
</tr>
<tr>
<td>Deformation at break point</td>
<td>3.0 mm</td>
<td>3.3 mm</td>
</tr>
<tr>
<td>(after 15 hours water immersion)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KNOOP Hardness</td>
<td>12.7</td>
<td>8.7</td>
</tr>
<tr>
<td>Polymerization Shrinkage</td>
<td>0.388%</td>
<td>0.45%</td>
</tr>
<tr>
<td>Brush Abrasion</td>
<td>3.9 μm</td>
<td>4.3 μm</td>
</tr>
<tr>
<td>Solubility - Distilled water</td>
<td>1.56 μg/mm³</td>
<td>0.23 to 6.0 μg/mm³</td>
</tr>
<tr>
<td>Water Sorption</td>
<td>23.6 μg/mm³</td>
<td>10.4 to 17.6 μg/mm³</td>
</tr>
</tbody>
</table>
REVOTEK™ LC

WAY TOO COOL

Fast and Easy Temporary Restorations
REVOTEK™ LC

BETTER THAN BIS-ACYLIC CARTRIDGES

• No waste. No mixing tips.
• No heavy oxygen-inhibited layer to clean.
• Half the price per restoration.
• No impression, stent, wax-up or model modification.
• Light-cure on command. Enough working time.
REVOTEK™ LC

BETTER THAN POWDER-LIQUID

- No measuring. No mess.
- No exothermic heat.
- Less expensive per restoration.
- No impression, stent, wax-up or model modification.
- Light-cure on demand. Enough working time.
REVOTEK™ LC

DIRECT CROWN FABRICATION TECHNIQUE

1. Cut off approximate amount of REVOTEK LC.
REVOTEK™ LC

DIRECT CROWN FABRICATION TECHNIQUE

2. Hand fashion to fit over prep (abutment).
   - Don’t knead material, it will become sticky.
REVOTEK™ LC

DIRECT CROWN FABRICATION TECHNIQUE

3. Press into place; shape, contour and sculpt.
DIRECT CROWN FABRICATION TECHNIQUE

4. Have patient bite softly to register occlusal surface and adjust if necessary.
5. Light-cure intraorally for 10 seconds to pre-cure material and hold shape.
DIRECT CROWN FABRICATION TECHNIQUE

6. Remove temporary crown and light-cure each surface for 20 seconds (including inside surface).
REVOTEK™ LC

DIRECT CROWN FABRICATION TECHNIQUE

7. Trim and finish with lab carbide bur or silicone point. Polish with felt wheel.
DIRECT CROWN FABRICATION TECHNIQUE

8. Temporary cement the restoration.
DIRECT BRIDGE FABRICATION TECHNIQUE

1. Cut off approximate amount of REVOTEK LC.
DIRECT BRIDGE FABRICATION TECHNIQUE

2. Hand fashion REVOTEK LC to bridge 3-unit prep.
REVOTEK™ LC

DIRECT BRIDGE FABRICATION TECHNIQUE

3. Have patient occlude to functionally generate occlusal surface.
REVOTEC™ LC

DIRECT BRIDGE FABRICATION TECHNIQUE

4. Sculpt and contour to shape.
REVOTEK™ LC

DIRECT BRIDGE FABRICATION TECHNIQUE

5. Light-cure 10 seconds per unit intraorally.
DIRECT BRIDGE FABRICATION TECHNIQUE

6. Light-cure 20 seconds per surface after removal.
REVOTEK™ LC

DIRECT BRIDGE FABRICATION TECHNIQUE

- Can be final light-cured in a VLC unit (3 - 5 min.)
DIRECT BRIDGE FABRICATION TECHNIQUE

7. Trim, finish and polish.
DIRECT BRIDGE FABRICATION TECHNIQUE

8. Temporarily cement in place.
REVOTEK™ LC

BRIDGE FABRICATION WITH STENT

1. Form stent as needed.
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BRIDGE FABRICATION WITH STENT

2. Fill stent as required with REVOTEK LC.
REVOTEK™ LC

BRIDGE FABRICATION WITH STENT

3. Place stent with REVOTEK LC onto prepared area.
BRIDGE FABRICATION WITH STENT

4. Have patient occlude to fully seat bridge.
BRIDGE FABRICATION WITH STENT

5. Light-cure 10 seconds per unit intraorally; then remove stent and final light-cure 20 seconds per surface.
BRIDGE FABRICATION WITH STENT

6. Trim, finish and temporarily cement bridge.
DIRECT CROWN FABRICATION

1. Prepare tooth, core build-up.
REVOTEK™ LC

DIRECT CROWN FABRICATION

2. Hand fashion to fit prep.
DIRECT CROWN FABRICATION

3. Have patient occlude to functionally register bite.
DIRECT CROWN FABRICATION

4. Light-cure intraorally for 10 seconds.
DIRECT CROWN FABRICATION

5. Light-cure each surface (including interior) for 20 seconds.
DIRECT CROWN FABRICATION

6. Trim with lab bur; finish with felt wheel or point.
DIRECT CROWN FABRICATION

7. Temporarily cement in place.
REVOTEK™ LC

RELINING PREFABRICATED CROWN

- Put REVOTEK LC into crown and press onto prep; remove excess and light-cure intraorally for 10 sec.
- Remove crown; then light-cure, finish and cement.
REVOTEK LC™

Light-cured Single-Component, Sculptable Composite Resin for Temporary Restorations

Once in a while there comes a new development that makes things simpler. It actually improves what we do and how we do it.

New REVOTEK LC offers us a brand new WAY of making temporary inlays, onlays, crowns, veneers and bridges. And with the way it handles, its almost TOO easy. No preoperative impression or stent fabrication required. No wax-ups or model modification. There’s no heavy oxygen inhibited layer to contend with and no messy clean-up. Just functionally generated occlusion for maximum occlusal accuracy.

In fact, it’s really a COOL way to make temporary restorations. No exothermic heat, no color, no irritation. Puts REVOTEK LC in place, shape, sculpt and light-cure. Final trim and polish and it’s ready for temporary cementation. Or just use REVOTEK LC to reline prefabricated plastic crowns.

So get rid of those wasteful and messy acrylic powders and liquids, bis-acrylic cartridges and mixing cups and start saving time and money with REVOTEK LC. It’s just WAY TOO COOL!

REVOTEK LC: the light-cured single-component, sculptable composite resin for temporary restorations. Ask your dealer for a demonstration today.
REVOTEK™ LC

INTRODUCTORY SET

• One REVOTEK LC Putty Stick - Universal Shade B2
• One light-proof storage case
• GC Spatula No. 2
REVOTEK™ LC

GREAT VALUE

- Each putty stick = approx. 30 average-size crowns
- 1/2 the cost of a bis-acrylic cartridge made crown
- No impression required to make provisional
- Save time and money
REVOTEK™ LC

Light-cured Single-Component, Sculptable Composite Resin for Temporary Restorations

WAY TOO COOL