The True Next Generation High Performance Zirconia

- Strongest Anterior (>1100 MPa)
- Most Translucent Posterior (>47% Total Light Transmittance @ 600 nm Wavelength)
- Eliminates Graying on Lighter Shades

The Perfect Culmination of Translucency and Strength, Beyond Plus™ zirconia is in a class of its own.

B&D Dental Technologies offers a uniquely universal zirconia that delivers on the promise of beauty and strength. Beyond Plus™ is more than a true replacement for lithium disilicate such as *e.max®. It is stronger with equal or better aesthetics.

- Dentists no longer have to compromise strength for beauty. Their choice has been simplified.
- Labs benefit from a dense material that allows them to reproduce a sharp margin while still milling the 98mm zirconia disc easily (due to deliberate pre-sintering parameters).

Beyond Plus™ was developed with CHROMA™ color liquids to provide consistent shading for optimal aesthetics.

*Not a Trademark of B&D Dental
"ORIGIN® Beyond Plus™ is the best zirconia on the market. It looks as good as any anterior zirconia, better than *e.max*, and is strong enough for large posterior bridges."

Jim Burke - JC'S Dental Designs LLC

### Zirconia Types and Indications

<table>
<thead>
<tr>
<th>Brands</th>
<th>Strength (MPa)</th>
<th>Posterior</th>
<th>Anterior (Cut Back)</th>
<th>Anterior (Full Contour)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Single</td>
<td>Bridge (3 Units)</td>
<td>Bridge (4* Units)</td>
</tr>
<tr>
<td>ORIGIN Live</td>
<td>1300</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ORIGIN Beyond</td>
<td>803</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ORIGIN Beyond Plus</td>
<td>&gt;1100</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

- ✓: Recommended
- ✗: Not Recommended

ISO 6872: 2015 Classification of Ceramics for Fixed Prosthesis by Intended Clinical Use with Recommended Fracture Toughness Values

<table>
<thead>
<tr>
<th>Class</th>
<th>Recommended Clinical Indications</th>
<th>Flexural Strength (MPa)</th>
<th>Fracture Toughness MPa.Vm (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Minimum Value For Mean</td>
<td>ISO Standard</td>
</tr>
<tr>
<td>3</td>
<td>Monolithic-ceramic for single unit anterior or posterior and for 3-unit prosthesis not involving molar restoration, adhesively, or non-adhesively cemented</td>
<td>300</td>
<td>2.0</td>
</tr>
<tr>
<td>4</td>
<td>Monolithic-ceramic for 3-unit prosthesis involving molar restoration</td>
<td>500</td>
<td>3.5</td>
</tr>
<tr>
<td>5</td>
<td>Monolithic-ceramic for prosthesis involving 4 or more units</td>
<td>800</td>
<td>5.0</td>
</tr>
</tbody>
</table>

*Not a Trademark of B&D Dental*
"Simplifies my production with **ONE FAST** sintering cycle for **ALL** zirconia restorations."

**Kirk Redding** - Creative Dental Laboratory

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**Sintering Schedule of High Translucent, High Strength Zirconia (>1100 MPa)**

- **B&D Dental, ORIGIN® Beyond Plus**: FAST 4:15 Cycle
- **Zahn, Z Complete (**) Dental Direkt, **) DD Bio ZX**) **IvoClar, **) Zenostar T 0
- **Sagemaxx, **) NexxZir +
- **Jensen, XT

*Up to 3 unit bridges. Larger restorations will require longer sintering cycles.*

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**Not a Trademark of B&D Dental**
"Previously, I found that high translucent zirconia has been too grey and too low in value, particularly with light shades – Beyond Plus™ overcomes these challenges and is aesthetically superior."

George A. Thoupos - President, P. G. Dental Lab

Translucency Comparison of High Strength Zirconia (>1100 MPa)

![Graph showing translucency comparison of various zirconia brands.]