Finally...

New!

LuxaCrown
The chairside way
to long-lasting crowns

DMG
Maximum durability
Excellent reliability

SEMI-PERMANENT & FAST
Thanks to its outstanding stability, LuxaCrown is raising the bar for restorations. Produced with ease in one chairside session, it offers impressive long-term reliability.

In its role as a semi-permanent crown and bridge material, LuxaCrown bridges the gap between simple temporary provisionals and permanent dental prostheses with its remarkable combination of strength, durability and esthetics.

RELIABLY STABLE
In-vitro studies measuring flexural strength, fracture toughness, wear, polishability and color stability demonstrate the outstanding mechanical properties of the material, ensuring stable and long-term restorations.

FEATURES & BENEFITS
- Semi-permanent up to 5 years
- Quick and easy application
- Excellent polishability***
- Long-lasting, excellent results
- Optimum mechanical properties
- Time and cost savings for patients and practices
- Reliable durability and stability
- Affordable restorative option

FLEXURAL STRENGTH (MPa)†
RESULTS
LuxaCrown exhibited high flexural strength compared to ceramic.

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitablocs Mark II</td>
<td>111</td>
</tr>
<tr>
<td>Cerec blocs</td>
<td>115</td>
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<tr>
<td>Ambarino High-Class</td>
<td>139</td>
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<tr>
<td>Vita Enamic</td>
<td>141</td>
</tr>
<tr>
<td>LuxaCrown</td>
<td>154</td>
</tr>
</tbody>
</table>

Source: LuxaCrown: data on file (internal measurement)

FRACTURE TOUGHNESS (MPa × m^{1/2})**
RESULTS
After fatiguing, LuxaCrown increased in fracture toughness value compared to other materials that decreased over time.

<table>
<thead>
<tr>
<th>Material</th>
<th>Fracture Toughness (MPa × m^{1/2})</th>
</tr>
</thead>
<tbody>
<tr>
<td>LuxaCrown</td>
<td>Baseline: 1.23, Fatigue: 1.50</td>
</tr>
<tr>
<td>Filtek Supreme Ultra</td>
<td>Baseline: 1.18, Fatigue: 1.30</td>
</tr>
<tr>
<td>Vita Enamic</td>
<td>Baseline: 1.05, Fatigue: 1.20</td>
</tr>
</tbody>
</table>

Studies based on fatiguing and thermocycling for 1.2 million cycles (equivalent to 5 yrs.).

***Source: University of Pennsylvania, School of Dental Medicine. “The Effect of Different Polishing Protocols on the Surface Topography and Smoothness of Different Indirect Restorative Material.” Lucie Zi Xuan Yin DMD, Julian Conejo DDS, MSc, Markus Blatz DMD, PhD
Optimum versatility
Long-lasting esthetics

Clinicians can use LuxaCrown for both crowns and bridges to give
the remaining tooth long-term protection, restore anatomical form
and masticatory function, and for correcting esthetic deficiencies.

LuxaCrown’s durability allows for the long-term monitoring of
treatment success during healing stages and for difficult restorations.

THE LUXACROWN SHADE SYSTEM OFFERS
A WIDE RANGE OF ESTHETIC OPTIONS:

A1  A2  A3  A3.5  B1

Characterized by natural fluorescence and high color stability,
a choice of five shades are available.

PRACTICAL APPLICATION FOR EFFICIENT USAGE

The proven Automix system guarantees efficient usage with
optimal material results, producing up to 36 single crowns or
up to 24 three-unit bridges.

“Extremely impressed with the accuracy and
stability of LuxaCrown. It is very easy to manipulate.
The feel and texture trims similarly to composite to
create very precise contours and margins. This is
a product that dentistry has needed for a long time for
multidisciplinary cases that require longevity.”

Dr. Hugh Flax, DDS, Aacd, Micoi

VOLUMETRIC WEAR (mm³)**

RESULTS
LuxaCrown wears closest to natural enamel.

COLOR STABILITY (14 DAYS)**

RESULTS
LuxaCrown remains color stable over time.

**Source: UNC Adams School of Dentistry, “Mechanical and optical
properties of a novel bis-acryl ‘semi-permanent’ restorative material”,
Taiseer Sulaiman, DDS, PhD, June 2019

****Source: Roulet J-F, Abdulhameed N, Shen C. In vitro Wear of Three

Acceptable threshold for color detection with the human eye: 1.8 (∆E 00=1.8)
THE LONG-LASTING RESTORATIVE SOLUTION

A REVOLUTIONARY, CHAIRSIDE ESTHETIC SOLUTION FOR:

- All restorative crown needs (deciduous, geriatric, implant, etc.)
- Adult teeth restorations post root canal treatment
- Mid to long-term implant restorations
- Protection of remaining dentition against acid erosion (e.g. bulimia) and abrasion (bruxism)
- Affordable restorative option

**Ordering Information**

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<thead>
<tr>
<th>Item#</th>
<th>Product</th>
<th>Contents</th>
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</thead>
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<td>LuxaCrown - Shade A1</td>
<td>1-50ml Cartridge, 15 Automix Tips</td>
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<td>110351</td>
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ADA Codes: 02394, 02710