RIVA LUTING PLUS
RESIN REINFORCED GLASS Ionomer Luting Cement

EXCEPTIONAL BOND STRENGTHS
Riva Luting Plus is a resin modified, self curing, glass ionomer luting cement, designed for final cementation of metal, PFM and resin crowns, bridges, inlays and onlays plus ceramic inlays and crowns. Riva Luting Plus chemically bonds to dentine, enamel and all types of core material.

Riva Luting Plus utilises SDI’s proprietary ionglass™ filler developed by our glass technologists. ionglass™ is a radiopaque, high ion releasing, reactive glass used in SDI’s range of dental cements. Riva Luting Plus releases substantially higher fluoride to assist with remineralisation of the natural dentition.

**10µM**

LOW FILM THICKNESS

BPA FREE

**CLINICALLY INSOLUBLE**

Riva Luting Plus is clinically insoluble when set. It has a very low acid erosion value. This improves the longevity of the restoration, resisting disintegration and wear caused by oral acidity. The ISO Standard dictates that a material cannot have acid erosion of more than 0.17mm.

**FLEXURAL STRENGTH**

Ensuring reduced cracking and failure in flexion, Riva Luting Plus’ high flexural strength ensures longevity of the restoration.

<table>
<thead>
<tr>
<th>DEPTH OF ACID EROSION</th>
<th>RIVA LUTING PLUS</th>
<th>IONOTITE-F*</th>
<th>FUJI PLUS*</th>
<th>RELAYX LUTING CEMENT*</th>
<th>ISO STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.05</td>
<td>0.25</td>
<td>0.05</td>
<td>0.16</td>
<td>0.17</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>FLEXURAL STRENGTH**</th>
<th>RIVA LUTING PLUS</th>
<th>IONOTITE-F*</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>22</td>
<td>19</td>
<td>23</td>
<td>18</td>
</tr>
</tbody>
</table>
ADVANTAGES
Chemically adheres to tooth structure and metal substrates
BPA & HEMA free
Very low film thickness – flows easily between restoration and tooth
Easy to clean up
Low water solubility - increased longevity and aesthetics
High bond strengths
High fluoride releasing and recharging ability
Bioactive proprietary ionglass™ technology – high ion exchange
Great for PFM crowns, metal posts, orthodontic bands, implants
Light yellow shade

INDICATIONS
Cementation of resin, metal, or porcelain fused to metal inlays, onlays, bridges and crowns
Cementation of ceramic inlays and crowns
Cementation of pins, posts and screws

HIGH BOND STRENGTHS
Adequate adhesion to human tooth structure is important for long term retention of restorations. Riva Luting Plus has excellent adhesion to dentine and zirconia. It is great for luting ceramic crowns and inlays.

DENTINE - SHEAR BOND STRENGTH**

<table>
<thead>
<tr>
<th></th>
<th>RIVA LUTING PLUS</th>
<th>IONOTITE-F®</th>
<th>FUJI PLUS*</th>
<th>RELVX LUTING CEMENT*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MPa</strong></td>
<td>10.0</td>
<td>8.2</td>
<td>10.6</td>
<td>9.2</td>
</tr>
</tbody>
</table>

ZIRCONIA - SHEAR BOND STRENGTH**

<table>
<thead>
<tr>
<th></th>
<th>RIVA LUTING PLUS</th>
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<th>FUJI PLUS*</th>
<th>RELVX LUTING CEMENT*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MPa</strong></td>
<td>7.9</td>
<td>6.9</td>
<td>7.0</td>
<td>7.7</td>
</tr>
</tbody>
</table>

HIGH FLUORIDE RELEASE
Due to Riva Luting Plus’s ionglass™ filler, it releases substantially higher fluoride to assist with remineralisation of the natural dentition.

CUMULATIVE FLUORIDE RELEASE**

<table>
<thead>
<tr>
<th></th>
<th>RIVA LUTING PLUS</th>
<th>FUJI PLUS*</th>
<th>IONOTITE-F®</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>µg/m²</strong></td>
<td>260</td>
<td>208</td>
<td>156</td>
</tr>
</tbody>
</table>

SETTING TIMES
There will be minimal loss of working time when using Riva Luting Plus. With adequate working time and a quick setting property, Riva Luting Plus will shorten chair time and ensures early resistance to mastication forces.

TIMES

<table>
<thead>
<tr>
<th></th>
<th>RIVA LUTING PLUS CAPSULES</th>
<th>RIVA LUTING PLUS POWDER / LIQUID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minutes</strong></td>
<td>0'30&quot;</td>
<td>2'10&quot;</td>
</tr>
</tbody>
</table>

- **MIXING TIME**
- **WORKING TIME**
- **SETTING TIME**
**INSTRUCTIONS FOR CAPSULES**

1. Prepare tooth using standard techniques. Apply Riva Conditioner for 10 seconds.

2. Ensure the internal surface of the restoration to be seated is cleaned, dried and prepared according to manufacturer’s instructions.

3. Activate the capsule and immediately mix in a triturator. Do not click before you mix. Press capsule down to click. Ten seconds in a triturator.

4. Immediately place into capsule applicator and click trigger until paste is seen through the nozzle.

5. Gently extrude approximately 1mm of cement onto the bonding surface.


7. Remove excess cement at the first formation of the gel stage (approx. 2 min from start of mixing).

8. Maintain isolation until set is verified. (approx. 4 minutes, 30 seconds from start of mixing).

For powder and liquid instructions, please refer to Instructions for Use.

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**ORDER DETAILS**

**CAPSULES, POWDER AND LIQUID**

- **Riva Luting Plus Capsules** 8651008
  - 50 Riva Luting Plus Capsules

- **Riva Luting Plus Powder/Liquid Kits** 8651508
  - 10g (8.95ml) Liquid
  - 25g Powder
  - Accessories

- **Riva Luting Plus Liquid Refill** 8651900
  - 10g (8.95ml) Bottle

- **Riva Luting Plus Powder Refill** 8651108
  - 25g Powder

**APPLICATORS**

- **Riva Applicator** 5545009
- **Riva Applicator 2** 5545013
- **Riva Applicator 2 Black** 5545023

**ACCESSORY**

- **Riva Conditioner 10ml bottle refill** 8620001

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*Ionolite-F, Fuji Plus and Relyx Luting Cement are not registered trademarks of SDI Limited.

** Published and SDI Test Data.

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MADE IN AUSTRALIA by SDI Limited
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ITALY 00800 0225 5734
NEW ZEALAND 0800 734 034
SPAIN 00800 0225 5734
UNITED KINGDOM 00800 0225 5734
USA & CANADA 1 800 228 5166

YOUR SMILE. OUR VISION.