SILVER-ALLOY REINFORCED GLASS IONOMER RESTORATIVE MATERIAL
High fluoride release
Riva Silver’s free movement of fluoride provides benefits to surrounding and adjacent tooth surfaces. Fluoride is held within the glass matrix without being bound by the structure. If the level outside the matrix is lower, then fluoride ions are released.

Conversely, if the fluoride level is higher (eg. from topical fluoride) then fluoride will recharge the glass ionomer matrix. Riva Silver has the ability to be recharged with fluoride from external sources, providing long term protection against recurrent carries. Riva Silver is great for treating high caries-risk patients as part of an overall treatment plan for maximum care.

Easy handling
Riva Silver’s condensable nature allows the operator to quickly and easily place the restoration. Riva Silver can be packed using an amalgam condenser.

Perfect for non-compliant patients
Riva Silver is the ideal restorative in situations where patient compliance and moisture control are difficult. Riva Silver is extremely easy and quick to use.

Light colour
The light grey colour of Riva Silver requires minimal masking when used under aesthetic restorations.
Great for core buildups
Riva Silver is an excellent material for core buildups. Its high early compressive and bond strength properties ensure favourable core buildup conditions.

High early strength
compressive strength at 1 hour (2)

<table>
<thead>
<tr>
<th>Material</th>
<th>Compressive Strength (MPa)</th>
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<tbody>
<tr>
<td>Riva Silver</td>
<td>134</td>
</tr>
<tr>
<td>Miracle Mix*</td>
<td>123</td>
</tr>
<tr>
<td>Ketac Silver*</td>
<td>98</td>
</tr>
<tr>
<td>Ketac Silver*</td>
<td>70  90  110  130  150 MPa</td>
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Riva Silver’s high compressive strength minimises the risk of fracture in the critical early stages after the restoration has been placed.

No additional mixing step
The benefits of using Riva Silver capsules are obvious. However, if using the powder / liquid system, no separate adding and mixing of alloy into the powder is required. The alloy component of Riva Silver is pre-mixed into the powder bottle.

Packaging
Riva Silver is available in capsule and powder/liquid systems. The unique SDI patented capsule system completely activates to achieve a smooth and reproducible mix every time.

High radiopacity
The addition of metal particles into the cement substantially increases radiopacity. Riva Silver is easily differentiated on radiographs from that of tooth structure allowing easy diagnosis of early lesions.

Setting times

<table>
<thead>
<tr>
<th>Material</th>
<th>Elapsed Time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riva Silver</td>
<td>0  1  2  3  4  5  6</td>
</tr>
</tbody>
</table>

Indications
- Small class I and II restorations
- Deciduous teeth restorations
- Geriatric restorations
- Intermediate restoratives and base material for class I and II cavities using the sandwich technique
- Class V restorations in non-aesthetic situations
- Core buildups
- Temporary fillings
- Restorations where radiopacity is desirable
- Restorative in the field using the ART technique
- Temporary endodontic fillings

Instructions:
1. Apply Riva Conditioner for 10 seconds or Super Etch 37% Phosphoric Acid for 5 seconds
2. Wash thoroughly
3. Remove excess water. Keep moist
4. Mix the capsule in an amalgamator OR mix the powder/liquid combination on a mixing pad
5. Apply Riva Silver to tooth surface
6. Form a contour and cover with a matrix if required
7. Apply Riva Coat and light cure
8. Final finishing under water spray using standard techniques can begin approximately 6 minutes after start of mixing
9. Apply Riva Coat and light cure

Before After
Photos courtesy of Dr. Philip Casan, Victoria, Australia
Riva Silver Capsules
50 x Riva Silver capsules
Reorder 8670008

Riva Silver Powder/Liquid Kits
10g (8.9mL) Riva Silver Liquid bottle
32g Riva Silver Powder bottle
accessories
Reorder 8670508

Riva Silver Powder Refills
32g Riva Silver Powder bottle
Reorder 8670108

Riva Silver Liquid Refills
10g (8.9mL) Riva Silver Liquid bottle
Reorder 8670900

Made in Australia by SDI Limited
Bayswater, Victoria 3153
Australia 1 800 337 003
Austria 00800 022 55734
Brazil 0800 770 1735
France 00800 022 55 734
Germany 0800 100 5759
Ireland 01 886 9577
Italy 800 780625
New Zealand 0800 734 034
Spain 00800 022 55 734
United Kingdom 00800 022 55 734
USA & Canada 1 800 228 5166
www.sdi.com.au

* Miracle Mix and Ketac Silver are not the registered trademarks of SDI Limited.
** Published and SDI Test Data.
(2) Source: Al-Nami, O.T., McCabe, J.F., Comparing the Compressive Strength of Riva Silver GIC with that of other Competitor Products, January 2005, University of Newcastle (UK).