RIVA SILVER

SILVER-ALLOY REINFORCED GLASS
IONOMER RESTORATIVE MATERIAL

MERCURY FREE FLUORIDE RELEASING SILVER RESTORATIVE

Riva Silver is a core build up material and at the same time, it is a restorative. Riva Silver, as a glass-ionomer based material, can be used in situations where moisture control is difficult.[1] Riva Silver is easy and quick to use.

Riva Silver utilises SDI's proprietary ***ionglass™*** filler developed by our glass technologists. ***ionglass™*** is a radiopaque, ion releasing, reactive glass used in SDI's range of dental cements. Riva Silver releases fluoride to assist with remineralisation of the natural dentition.[2]

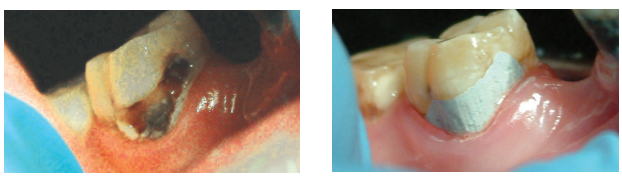
ionglass™

1
LIGHT GREY COLOUR

COMPRESSIVE STRENGTH*
190 MPa
@ 24 HOURS

SILVER REINFORCED GLASS IONOMER STRENGTH

Riva Silver is easy to use, releases fluoride and has radiopacity. Suitable for a range of indications including Class I, II and V restorations.



Riva Silver Class V Restoration. Photos courtesy of Dr. Philip Casan, Victoria, Australia.

RADIOPACITY

RADIOPACITY

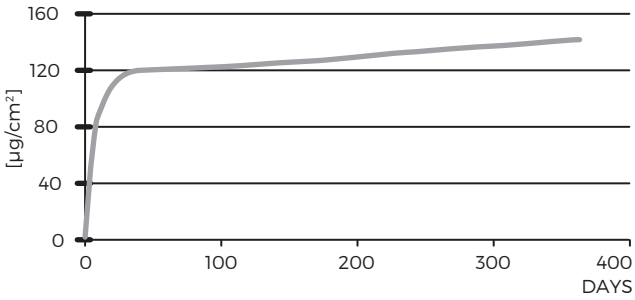
The addition of metal particles to the cement substantially increases its radiopacity.* This allows it to be distinguished from tooth structure on radiographs, making early lesions easier to diagnose.

FLUORIDE RELEASE

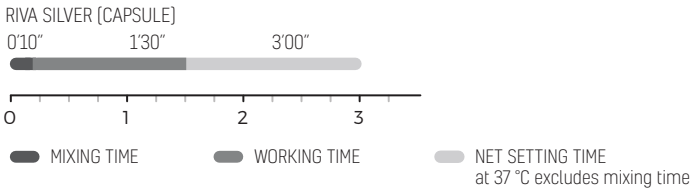
Riva Silver's free movement of fluoride provides benefits to surrounding and adjacent tooth surfaces. Fluoride is held within the glass matrix without being bound by the structure, which allows fluoride ions to be released.[3]

Fluoride-release provides improved resistance against primary and secondary caries.[4]

CUMULATIVE FLUORIDE RELEASE [5]



SETTING TIMES*



ADVANTAGES

- Chemically adheres to tooth structure*
- Silver reinforced
- Radiopacity
- Easy handling
- Core build-ups[6]
- Fluoride releasing
- Wear resistance*
- Proprietary *ionglass™* technology
- Light grey shade

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 build-ups[6]
- Temporary fillings
- Restorations where radiopacity is desirable
- Restorative in the field using the ART technique
- Temporary endodontic fillings

EASY HANDLING

Riva Silver's nature allows the operator to quickly and easily place the restoration.

FOR NON-COMPLIANT PATIENTS

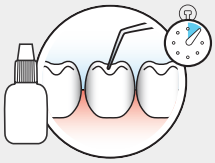
Riva Silver, as a glass-ionomer based material, can be used in situations where moisture control is difficult.[1] Riva Silver is easy and quick to use.

CORE BUILD-UPS[6]

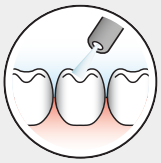
Its compressive strength* and adhesion* to tooth structure support favourable core build-up conditions.

INSTRUCTIONS FOR CAPSULES^

1. Isolate tooth, prepare cavity. Apply Riva Conditioner for 10 seconds.



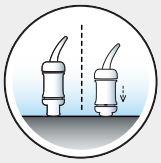
2. Wash thoroughly.



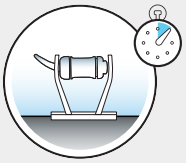
3. Remove excess water. Keep moist.

4. Activate the capsule and immediately mix in a high-speed capsule mixer OR mix the powder/liquid combination on a mixing pad. Do not click before you mix.

Press capsule down to click.

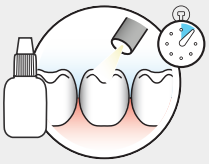


Ten seconds in a high-speed capsule mixer.

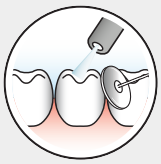


5. Apply Riva Silver to tooth surface.

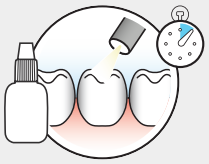
6. Apply a coating material and light cure according to the manufacturers instructions.



7. Final finishing under water spray using standard techniques can begin approximately 6 minutes after start of mixing.

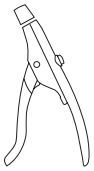


8. Apply a coating material and light cure according to the manufacturers instructions.



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

ORDER DETAILS



CAPSULES, POWDER AND LIQUID	
Riva Silver Capsules 50 x Riva Silver Capsules	8670008
Riva Silver Powder/Liquid Kit 10g (8.9mL) Riva Silver Liquid 32g Riva Silver Powder Accessories	8670508
Riva Silver Powder Refill 32g Riva Silver Powder	8670108
Riva Silver Liquid Refill 10g (8.9mL) Riva Silver Liquid	8670900

APPLICATORS	
Riva Applicator	5545009
Riva Applicator 2	5545013

ACCESSORIES	
Riva Coat 5mL Bottle Refill	8610001
Riva Conditioner 10mL Bottle Refill	8620001

[1] Sibel A. Antonson et al. Twenty-four month clinical evaluation of fissure sealants on partially erupted permanent first molars. Glass ionomer versus resin-based sealant. JADA 2012; 143(2):115-122.

[2] Kosior P et al. Long-term release of fluoride from fissure sealants - In vitro study. J Trace Elem Med Biol. 2017;41:107-110.

* SDI Test Data.

[3] John W. Nicholson et al. Fluoride exchange by glass-ionomer dental cements and its clinical effects: a review. Biomaterial Investigations in Dentistry; 2023; 10(1).

[4] John Hicks et al. Fluoride-Releasing Restorative Materials and Secondary Caries, Journal of the California Dental Association, 2003; 31(3).

[5] McCabe JF, Al-Naimi OT. Fluoride release of three Riva GI Products Compared with that of a competitor product. University of Newcastle (UK); August 2006.

[6] Hiroshi Nakajima et al. Mechanical properties of glass ionomers under static and dynamic loading. Dental Materials; 1996; 12:30-37

SDI

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SMILE. **VISION.**

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