



riva protect

ENGLISH

GLASS-IONOMER FISSURE AND TOOTH PROTECTOR INSTRUCTIONS FOR USE

Riva Protect is a high-fluoride-release glass-ionomer cement, designed for surface protection and sealing of newly-erupted or caries-challenged dentition. Its viscosity and handling is designed for ease of use and placement, and its direct adhesion ensures long-term benefit. Riva Protect is available in white and pink shades. The pink shade is darker (L*=65) for easy identification.

INDICATIONS FOR USE:

1. Pit and fissure sealing.
2. Root /tooth surface protection and hypersensitivity prevention.
3. Temporary restorations in non-load-bearing applications.
4. Temporary endodontic sealing.

CONTRAINDICATIONS:

1. Pulp capping.
2. Product may cause skin irritations to some people. In such cases, discontinue use and seek medical attention.

INSTRUCTIONS FOR USE:

PREPARATION:

Isolate and clean tooth. Lightly air dry without dehydrating tooth surface.

ACTIVATION OF CAPSULE:

Setting Plunger colour	REGULAR (White Shade: White) (Pink Shade: Pink)	FAST (White Shade: Blue) (Pink Shade: Orange)
Powder/Liquid ratio (g/g)	0.34/0.19	0.34/0.19
Mixing time (min.sec.)	10"	10"
Working time (min.sec.)	1'40"	1'05"
Initial setting time (min.,sec.)	4'10"	2'00"
Finishing time @ 37°C from start of mixing (min.,sec.)	5'00"	3'00"
Minimum deliverable volume per capsule: 0.13mL		
Test conditions: temperature (23 ± 1°C), relative humidity (50 ± 10%). ISO 9917:2003 (Dental water based cements) Note: Higher temperatures will shorten setting time.		

1. Push the plunger firmly by hand or on a hard surface, until it is flush with the body of the capsule.

Important: Do not click with applicator before you mix.

2. Immediately place the capsule into the Ultramat 2 Amalgamator, or any other high-speed mixer (4000-4800rpm), and triturate for 10 seconds. Once capsule trituration is complete, immediately remove the capsule and place into the Riva applicator. NOTE: Prior to placement, click the trigger of the Riva applicator until glass ionomer paste is seen through the clear nozzle.

or

POWDER-LIQUID DISPENSING AND MIXING:

Powder-liquid dosage:	2 flat scoop to 3 drops
Powder/Liquid ratio (g/g)	2:1
Recommended mixing time (sec.)	30'
Working time (min.sec.)	2'00" (approximate)
Finishing time @ 37°C from start of mixing (min.,sec.)	5'00" (approximate)
Mixing pad type: non-absorbent paper or glass slab	
Note: Use a cool glass slab for extended working time	
Test conditions: temperature (23 ± 1°C), relative humidity (50 ± 10%). ISO 9917:2003 (Dental water based cements)	

1. Gently tap powder jar on the hand. Using the plastic scoop provided, dispense two level measures of powder onto the mixing pad.
2. Carefully dispense three drops of liquid next to the powder on the mixing pad. Replace cap tightly.
3. Use a plastic spatula to divide the powder into two equal parts.
4. Mix the liquid with one part of the powder for 10 seconds and then include the second part and continue mixing for another 15 to 20 seconds.

PIT AND FISSURE SEALING AND ROOT/TOOTH SURFACE PROTECTION

1. Apply a polyacrylic acid conditioner such as Riva Conditioner (SDI Ltd.) to the tooth surface for 10 seconds.
2. Wash and air-dry. Leave surface moist.
3. Place Riva Protect directly onto the surface of the tooth.
4. Spread the material onto the tooth surface or into the pits and fissures using a small brush eg POINTS (SDI Ltd.).
5. When the material has lost its surface gloss, apply a thin film of light cured, unfilled resin such as Riva Coat (SDI Ltd.).
6. Light cure for 20 seconds.
7. Instruct the patient not to eat for at least one hour.

TEMPORARY RESTORATION

1. Apply a polyacrylic acid conditioner such as Riva Conditioner (SDI Ltd.) to the cavity for 10 seconds.
2. Wash and air-dry. Leave surface moist.
3. Place Riva Protect into the cavity, taking care to avoid air entrapment under the restoration.
4. Form contour.
5. When the material has lost its surface gloss, apply a thin film of light cured, unfilled resin such as Riva Coat (SDI Ltd.).
6. Light cure for 20 seconds.
7. Instruct the patient not to eat for at least one hour.

TEMPORARY ENDODONTIC SEALING

1. Prepare and treat pulp chamber accordingly.
2. Clean and gently dry the pulp chamber.
3. Fill the pulp chamber with a cotton bud.
4. Place Riva Protect over the cotton bud.
5. When the material has lost its surface gloss, apply a thin film of light cured, unfilled resin such as Riva Coat (SDI Ltd.).
6. Light cure for 20 seconds.

STORAGE AND HANDLING

- Do not remove Riva Protect capsules from their foil packets until ready to use.
- Store at temperatures between 4°C - 20°C (39°F - 68°F) for capsules and 4°C - 30°C (39°F - 86°F) for powder/liquid kits.
- Use at room temperature between 20°C and 25°C (68°F - 77°F).

PRECAUTIONS:

- For professional use only.
- Keep out of reach of children.
- Do not take internally.
- Do not use after expiry date.
- Do not mix powder or liquid with any other brand of glass ionomer products.
- Caution: Federal Law restricts this device to sale by or on the order of a dentist.
- MSDS available at www.sdi.com.au or contact your regional representative.

FIRST AID

- **Eye (contact):** Wash thoroughly with water and seek medical attention.
- **Skin (contact):** Remove using a cloth or sponge soaked in alcohol. Wash thoroughly with water.
- **Ingestion:** Drink plenty of water/milk. Seek medical attention if symptoms persist.
- **Inhalation:** (powder) Remove to fresh air. If breathing is difficult, seek medical attention.

PACKAGING:

- 50 Capsule Boxes (Pink or White) (Regular or Fast set)
- Powder Liquid Kits (Pink or White):
10g (9.1mL) Liquid Bottle, 15g Powder Jar, 10mL Riva Conditioner bottle, accessories
- 10g (9.1mL) Liquid Bottle Refills
- 15g Powder Jar Refills (Pink or White)

Made in Australia by SDI Limited
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 Brazil 0800 770 1735
 France 00800 022 55 734
 Germany 0800 100 5759
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EC REP

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4°C 39°F
 20°C 68°F
 capsule



4°C 39°F
 30°C 86°F
 powder/liquid