



riva self cure/ riva self cure HV

GLASS IONOMER RESTORATIVE MATERIAL

INSTRUCTIONS FOR USE

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Riva Self Cure range is the ideal radiopaque, self curing conventional glass ionomer restorative materials. With excellent tooth adhesion, fluoride release and high compressive strength, available in two viscosities, Riva Self Cure range is useful for a wide range of restorative applications.

INDICATIONS

- Non stress bearing Class I and II restorations
- Deciduous teeth restorations.
- Geriatric restorations
- Intermediate restorative and base material for Class I and II cavities using the sandwich technique
- Cervical (Class V) restorations
- Core build ups
- Temporary fillings
- Restorative in the field using the ART technique
- Dentine replacement

CONTRA-INDICATIONS

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

PROCEDURE

A. CAVITY PREPARATION:

1. Clean and isolate tooth.
Note: A conservative cavity should be prepared, employing standard techniques and instruments. Undercuts are not necessary.
2. In cases where pulp protection is necessary, use a calcium hydroxide liner.

B. CONDITIONING / ETCHING:

1. Apply Riva Conditioner to the prepared surfaces and leave in cavity for 10 seconds.
OR
Apply Super Etch 37% Phosphoric Acid to the prepared surfaces and leave in cavity for 5 seconds.
2. Rinse thoroughly with water.
3. Remove excess water. Keep moist. Avoid contamination.

IMPORTANT: Be careful not to completely dry the surface. Surface should be glistening.

C. PROCEDURE FOR MIXING AND PLACING

CAPSULE SYSTEM:

	Riva Self Cure REGULAR	Riva Self Cure FAST	Riva Self Cure HV
Setting	REGULAR	FAST	
Plunger	Green	Mustard / White*	Orange
Powder / Liquid Ratio (g/g)	0.45 / 0.14	0.45 / 0.14 0.40 / 0.15*	0.50 / 0.13
Mixing time	10 sec	10 sec	10 sec
Working time (Min., Sec.)	1'40"	1'05"	1'30"
Initial setting time @ 23°C (min.,sec.)	4'10"	2'30"	3'00"
Finishing time @ 37°C from start of mixing (min.,sec.)	6'00"	4'30"	5'00"
Minimum delivery / capsule	0.13mL	0.13mL	0.12ml

Test conditions: Temperature (23 ± 1°C), relative humidity (50 ± 10%) ISO 9917-1 (Dental water based cement).

* T-A2, T-A3, T-A3.5 only.

1. Push the plunger on a hard surface until it flush with the body of the capsule.
Important: Do not click with an applicator before you mix.
2. Immediately place activated capsule into the Ultramat 2 amalgamator or any high speed capsule mixer (4000 – 4800 rpm).
3. Mix for 10 seconds. NOTE: The working time can be extended by decreasing the mixing time by no more than 3 seconds (i.e. minimum mixing time is 7 seconds).
4. Immediately remove the capsule and place into the Riva capsule applicator.
5. Click the trigger of the Riva capsule applicator until glass ionomer paste is seen through the clear nozzle.
6. Extrude Riva Self Cure into the cavity, being careful not to trap air under the restoration. NOTE: Temperatures higher than 23±1°C will shorten the working time specified in the above table.
7. At the end of the working time, apply Riva Coat to all exposed surfaces of restoration.
8. Light cure for 10 seconds.

POWDER / LIQUID SYSTEM (REGULAR SET ONLY)

Powder-liquid dosage:

- 1 flat scoop to 2 drops (T-A2, T-A3, T-A3.5)
- 1 flat scoop to 1 drop (A1, A2, A3, A3.5, A4, B2, B3)

Recommended mixing time: 30 seconds

Mixing pad type: non-absorbent paper or glass slab.

NOTE: Cool glass slab for extended working time.

1. Gently tap Riva Self Cure powder bottle on the hand. Using the plastic scoop provided, dispense one level measure of powder onto the mixing pad.
2. Carefully dispense the recommended number of drops of Riva Self Cure Liquid next to the powder on the mixing pad. Replace cap tightly.
3. Use a plastic spatula and 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.
5. Place mixed paste into the cavity, being careful not to trap air under or within the restoration. At 23°C / 74°F, the working time will be about two minutes.
6. At the end of the working time, apply Riva Coat to all exposed surfaces of restoration.
7. Light cure for 10 seconds.

D. FINISHING:

1. Finish the restoration using standard techniques, after the specified finishing time.
2. Apply another layer of Riva Coat.
3. Light cure for 10 seconds.
4. Instruct patient not to eat for at least one hour after procedure.

STORAGE AND HANDLING

- Do not remove Riva Self Cure 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 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:** Rinse mouth thoroughly. Drink plenty of water/milk. Seek medical attention if symptoms persist.
- **Inhalation:** No symptoms expected (capsules). Remove to fresh air (powder).

PRODUCT RANGE

Riva Self Cure HV

- Box of 50 capsules available in A1, A2, A3 and A3.5

Riva Self Cure

- Box of 50 capsules available in A1, A2, A3, A3.5, A4, B2 and B3 (regular or fast set)
- Box of 50 capsules available in T-A2, T-A3 and T-A3.5 (fast set)
- Assorted capsule kit of A1, A2, A3, A3.5, and B2 (regular or fast set)
- 15g Powder/Liquid kit in A1, A2, A3, A3.5, A4, B2, B3, T-A2, T-A3 and T-A3.5 (regular set only)
- 10g Powder/Liquid kit in A2, A3 and A3.5 (regular set only)
- 5g Powder/Liquid kit in A2, A3 and A3.5 (regular set only)
- Powder and liquid refills

Accessories

- Riva Conditioner, Riva Coat and Riva Applicator



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capsule

powder/liquid