

SDI

riva bond LC

LIGHT CURED
ADHESIVE FOR
DIRECT RESTORATIONS

INSTRUCTIONS FOR USE

E
N
G
L
I
S
H

Thank you for your decision to use the Riva Bond LC adhesive system.

Riva Bond LC is the next generation of adhesives. No longer do you have to put up with significant stress at the margins of your beautiful restorations. No other adhesive can have high bond strengths AND zero polymerisation shrinkage. Best of all, with Riva Bond LC microleakage and cuspal fracture are minimised.

Riva Bond LC is a light cured universal adhesive for direct bonding.

Riva Bond LC reduces the stress caused by volumetric polymerisation contraction at the cavo margins for light curing direct restorations. Sustained fluoride release, command setting and excellent adhesive properties makes this the ideal adhesive for direct bonding.

INDICATIONS:

- A. Universal adhesive for direct restorations.
- B. Bonding composite resin to self cured/light cured glass ionomer cement in the sandwich technique
- C. Bonding between layers of composite resin in large restorations to reduce polymerisation shrinkage stress
- D. Sealing hypersensitive cervical areas
- E. Adhesive lining under amalgam fillings

CONTRA-INDICATIONS

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

PROCEDURE:

CAPSULE SYSTEM:

Powder/Liquid ratio	0.14g/0.2g (0.7:1)
Mixing time (sec.)	10 sec.
Light cure time (sec.)	10 sec.
Working time (min.)	4.00“min.
Minimum material in capsule	0.10mL
Minimum net contents per capsule:	0.14g powder and 0.2g (0.17mL)liquid.

A. UNIVERSAL ADHESIVE FOR DIRECT RESTORATIONS

CAVITY PREPARATION:

- 1. Clean and isolate the tooth.
- 2. Prepare cavity using standard technique for composite resin restorations. Note: In cases where pulp protection is necessary, use a calcium hydroxide liner.

ETCHING:

- 1. Apply Super Etch 37% phosphoric acid etchant to the prepared surfaces and leave for 5 seconds.
- 2. Rinse thoroughly with water.
- 3. Dry with oil free air. Do not dessicate. Note: Avoid contamination.

PLACEMENT PROCEDURE:

- 1. Before activation, tap capsule twice on a hard surface to loosen the powder. Activate capsule by pushing the plunger until it is flush with the body. Important: Do not click with an applicator before you mix.
- 2. Immediately place the capsule into the Ultramat 2 amalgamator or any other suitable mixer (4000 - 4800 rpm) and triturate for 10 seconds.
- 3. Remove capsule from the amalgamator.
- 4. Use an SDI Points disposable brush applicator, pierce through the metal foil. Rotate the brush applicator to push the foil to the edge of the capsule. Bend brush applicator to 45° angle.
- 5. Apply a thin layer of Riva Bond LC to all tooth surfaces. Note: Gently air thin if required.
- 7. Light cure for 10 seconds using an SDI Radii Plus LED curing light or any other light curing device (440-480nm wavelength).
- 8. Place and finish composite as per manufacturer’s instructions.

B. BONDING COMPOSITE RESIN TO SELF CURED / LIGHT CURED GLASS IONOMER CEMENT IN THE SANDWICH TECHNIQUE

CAVITY PREPARATION:

- 1. Clean and isolate the tooth
- 2. Prepare cavity using standard technique for composite resin restorations. Note: In cases where pulp protection is necessary, use a calcium hydroxide liner.

CONDITIONING/ETCHING:

- 1. Apply Super Etch 37% phosphoric acid etchant to the prepared surfaces and leave for 5 seconds.
- 2. Rinse thoroughly with water.
- 3. Dry with oil free air. Do not dessicate. Note: Avoid contamination.

PLACEMENT PROCEDURE:

- 1. Place Riva Self Cure / Riva Light Cure or equivalent glass ionomer restorative cement to replace lost dentine per manufacturer’s instructions.
- 2. Place a thin layer of Riva Bond LC over the surface of the glass ionomer cement and enamel walls. Note: The uncured Riva Bond LC will cure with the composite and acts as a stress breaker.
- 3. Place the composite resin to slightly overfill the preparation.
- 4. Light cure for 20 seconds.
- 5. Finish the composite resin per manufacturer’s instructions.

C. BONDING BETWEEN LAYERS OF COMPOSITE RESIN IN LARGE RESTORATIONS TO REDUCE POLYMERISATION SHRINKAGE STRESS

CAVITY PREPARATION:

- 1. Clean and isolate the tooth
- 2. Prepare cavity using standard technique for composite resin restorations. Note: In cases where pulp protection is necessary, use a calcium hydroxide liner.

CONDITIONING/ETCHING:

- 1. Apply Super Etch 37% phosphoric acid etchant to the prepared surfaces and leave for 5 seconds.
- 2. Rinse thoroughly with water.
- 3. Dry with oil free air. Do not dessicate. Note: Avoid contamination.

PLACEMENT PROCEDURE:

- 1. Apply a thin layer of Riva Bond LC over the prepared tooth surface. Note: Gently air thin if required.
- 2. Light cure for 10 seconds using an SDI Radii Plus LED curing light or any other equivalent curing device (440-480nm wavelength).
- 3. Place approximately 2 mm of desired composite into the floor of the cavity. Light cure according to manufacturer’s instructions.
- 4. Apply a thin layer of Riva Bond LC over the polymerised composite resin.
- 5. Place a further 2mm of composite on top of the uncured Riva Bond LC. Light cure for 20 seconds. Note: The uncured Riva Bond LC will cure with the composite. It acts as a stress breaker between layers of composite.
- 6. Repeat Step 4 to Step 5 until the required amount of composite resin has been placed into the cavity.
- 7. Finish restoration as per standard technique.

D. SEALING HYPERSENSITIVE CERVICAL AREAS

PREPARATION:

- 1. Clean and isolate the tooth.
- 2. Part dry with the end of a cotton roll.

PLACEMENT PROCEDURE:

- 1. Apply Riva Bond LC in a thin layer to the conditioned tooth surfaces.
- 2. Light cure for 10 seconds.
- 3. Apply another layer of Riva Bond LC.
- 4. Light cure for 10 seconds.
- 5. Repeat Step 3-4 again.
- 6. Test by gently blowing air on the sealed area.

E. ADHESIVE LINING UNDER AMALGAM FILLINGS

CAVITY PREPARATION:

- 1. Clean and isolate the tooth
- 2. Prepare a cavity using standard technique for amalgam restorations. Note: In cases where pulp protection is necessary, use a calcium hydroxide liner.

ETCHING:

- 1. Apply Super Etch 37% phosphoric acid etchant to the prepared surfaces and leave for 5 seconds.
- 2. Rinse thoroughly with water.
- 3. Dry with oil free air. Do not dessicate. Note: Avoid contamination.

PLACEMENT PROCEDURE:

- 1. Apply a thin layer of Riva Bond LC over the prepared tooth surfaces. Note: Gently air thin if required.
- 2. Light cure for 10 seconds using an SDI Radii Plus LED curing light or any other visible light curing device (440-480nm wavelength).
- 3. Place and finish amalgam as per manufacturer’s instructions.

POWDER/LIQUID SYSTEM:

Powder-liquid dosage:	1 flat scoop to 2 drops
Powder-liquid ratio:	0.7:1
Recommended mixing time:	10 seconds
Working time:	4:00 minutes
Light cure time:	10 seconds
Mixing pad type: non-absorbent paper or glass slab.	
NOTE: Cool glass slab for extended working time.	

- 1. Gently tap Riva Light Cure powder jar on the hand.
- 2. Dispense two drops of liquid into the mixing well. Immediately replace cap.
- 3. Dispense one level scoop of powder onto liquid in the mixing well. Replace cap immediately.
- 4. Mix using a disposable brush until a homogenous mix is achieved.
- 5. Use mix as per instructions listed above. Note: Exposure to strong lights during mixing and placement can reduce working time.

STORAGE AND HANDLING:

- Do not remove Riva Bond LC capsules from their foil packets until ready to use.
- Store at temperatures between 4° and 20°C (39° - 68°F).
- For optimum freshness, refrigerate product.
- Use at room temperature between 20° and 25°C (68° - 77°F).

PRECAUTIONS:

- For professional use only.
- Keep out of reach of children.
- Do not use after expiry date.
- The above-mentioned products may cause skin irritations to some people. In such cases, discontinue use and seek medical attention.
- Do not take internally.
- 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 occur.
- Inhalation:** No symptoms expected.

PRODUCT RANGE:

- Box of 50 Capsules
- Powder Liquid Kits : 8g (7.2mL) Liquid Bottle, 5g Powder Jar, accessories
- 8g (7.2mL) Liquid Refill
- 5g Powder Refill



Made in Australia by SDI Limited
Bayswater, Victoria 3153
Australia 1 800 337 003
Austria 00800 022 55 734
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



SDI Dental Limited
Block 8, St Johns Court
Swords Road, Santry
Dublin 9, Ireland
Tel +353 1 886 9577

