



# RIVA BOND LC

LIGHT CURED ADHESIVE FOR DIRECT RESTORATION

SHEAR  
BOND  
STRENGTH



# STRESS FREE BONDING = LONG LASTING RESTORATION

## RIVA BOND LC IS THE NEXT GENERATION OF ADHESIVES

No longer do you have to put up with significant stress at the margins due to your beautiful restorations shrinking. No other adhesive can have high bond strengths AND significantly reduced stress at the restorative interface. Best of all, with Riva Bond LC your composite restorations will be long lasting.

The bond you use is a critical choice for clinical success: **your bond must help to eliminate the polymerization shrinkage stress caused by the composite. Riva Bond LC compensates for these high stresses. Don't put your good work at risk anymore. Keep your patients free from sensitivity.**

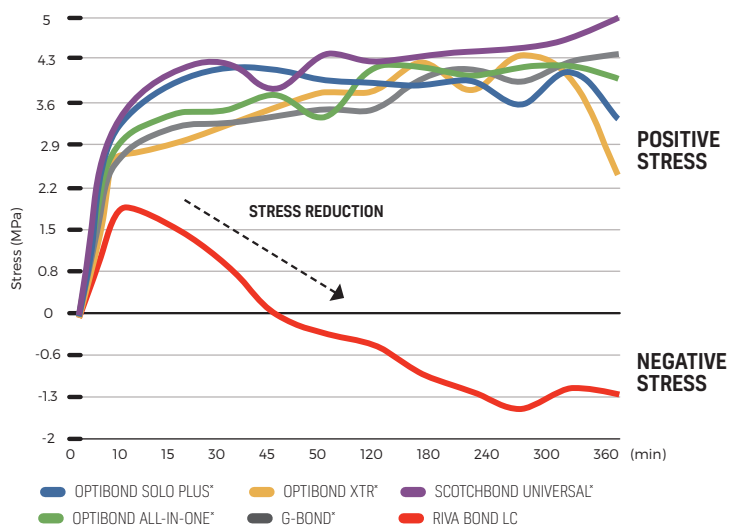
## SHRINKAGE NORMALLY CAUSES STRESS

Adhesives shrink and so do composites causing huge stresses at the margins and risk restoration failure. Unlike other adhesives, Riva Bond LC does not cause stress at the margins PLUS it absorbs the stresses of the significant shrinkage of the composite. According to Sydney University, "like amalgams, Riva Bond LC has a slight positive expansion unequivocally sealing the cavity preventing both stress and microleakage."<sup>[1]</sup>

## RIVA BOND LC HAS A STATISTICALLY LOWER FINAL STRESS COMPARED TO A RESIN ADHESIVE<sup>[2]</sup>

Riva Bond LC compensates for the polymerization shrinkage of composites, therefore reducing post-operative sensitivity and increasing the life of a composite restoration.

POLYMERIZATION SHRINKAGE STRESS OF FILTEK Z250 WITH A SELECTION OF ADHESIVES<sup>[1]</sup>



<sup>1</sup> Naoum S et al; Polymerization Shrinkage Stress Profile of Newly Developed Dentin Bonding Agents in Real Time; Sydney University, 2012.

<sup>2</sup> Freda N et al; Comparison of Polymerization Stress using RMGI Bond and Resin Adhesive; Abstract# 1122, 2013 Seattle IADR, Tufts University.

\* Optibond Solo Plus, Optibond All-in-One, Optibond XTR, G-Bond and ScotchBond Universal are not the registered trademarks of SDI Limited.

## UNIQUE STRESS REDUCTION TECHNOLOGY - SRT™

Riva Bond LC's unique SRT™ gives a restoration the greatest start. SRT™ incorporates bioactive proprietary ionglass™ technology with advanced glass ionomer resin technology ensuring minimal stress at all bonding interfaces. Within minutes, the result is stress free and longevity for the restoration is totally maximised. The contraction stress is completely eliminated by selective hygroscopic expansion/water absorption of the thin adhesive layer - not observed in resin bonds.

## HIGH RADIOPACITY

Due to the ionglass™ fillers, which contain fluoro-aluminosilicate glass for radiopacity, Riva Bond LC's unique ingredients are radiopaque for easy identification. Unlike Riva Bond LC, other adhesives show little, if any, radiopacity.

## BPA FREE

Riva Bond LC does not contain any Bisphenol A (BPA) or its derivatives. Use this product with confidence and peace of mind.

## NO STAINING

Riva Bond LC does not have any marginal staining. It was found that there was no statistically significant difference in staining between Riva Bond LC and Prime and Bond NT in tea, coffee or wine at 24 hours or 48 hours.<sup>[3]</sup>

<sup>3</sup> Freda N et al; Marginal Staining of Composite Bonded with Resin and RMGI Adhesives; Abstract # 3133, 2013 Seattle IADR, Tufts University.

## BULK FILL COMPOSITES ARE SAFE WITH RIVA BOND LC

Bulk fill composites shrink more than using the layering technique. More shrinking means more bond stress. Riva Bond LC is a key partner for bulk fill composites.

## EXTREMELY FLEXIBLE

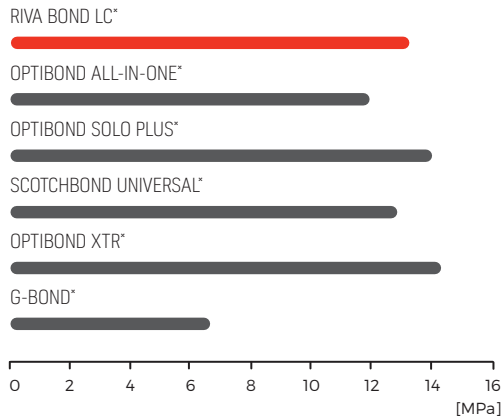
Riva Bond LC is a very flexible adhesive minimizing the composite shrinkage that constantly challenges traditional adhesives.

# HIGH BOND STRENGTH

## THE HIGH BOND STRENGTH YOU EXPECT

The chemical adhesion of Riva Bond LC assists it to achieve a high bond strength. As Riva Bond LC also compensates for the polymerization shrinkage of composites, in reality the bond strength is actually higher than traditional adhesives because adhesion is not challenged by the stress of the composite shrinking. Traditional adhesives need high bond strengths to compensate for the shrinkage.

### SHEAR BOND STRENGTH <sup>(1)</sup>



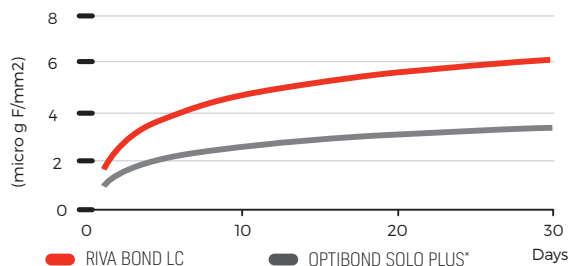
<sup>1</sup> Naoum S et al; Polymerization Shrinkage Stress Profile of Newly Developed Dentin Bonding Agents in Real Time; Sydney University, 2012.

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## PROPRIETARY BIOACTIVE IONGLASS™ TECHNOLOGY

Riva Bond LC utilizes SDI's proprietary ionglass™ filler, a radiopaque, high ion releasing, bioactive glass. Riva Bond LC releases very high fluoride levels to assist with remineralization of the natural dentition. Furthermore, the bacteriostatic properties protect teeth from decay. Traditional adhesives release small amounts of fluoride.

### CUMULATIVE FLUORIDE RELEASE <sup>(4)</sup>



<sup>4</sup> Ogledzki M et al; Four Week fluoride Release of Various Dental Materials; Abstract #157453, 2011 San Diego IADR, Tufts University.

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### INDICATIONS

Universal adhesive for direct restorations

Bonding composite resin to self-cured/light-cured glass ionomer cement in the sandwich technique

Bonding between layers of composite resin in large restorations to reduce polymerization shrinkage stress

Sealing hypersensitive cervical areas

Adhesive lining under amalgam fillings

## UNIQUE PATENTED CAPSULE

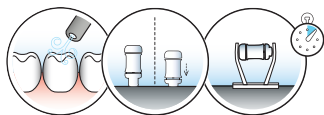
Riva Bond LC's unique patented capsule ensures a consistent mix and predictable bond. The capsule also acts as a container for your bond. No more sterilizing of the dappen dish is required.



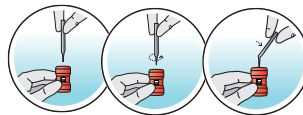
# INSTRUCTIONS



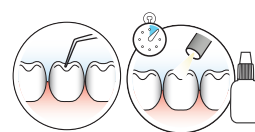
**1** Clean and isolate the tooth. Apply Super Etch 37% Phosphoric Acid for 5 seconds.



**2** Wash thoroughly. Dry with oil free air. Do not desiccate. Tap capsule twice on the bench. Activate the capsule and immediately mix in an amalgamator. **Important:** Do not click with an applicator before you mix.



**3** Using a disposable applicator pierce through metal foil. Rotate the brush applicator to push the foil to the edge of the capsule. Bend brush applicator to 45° angle.



**4** Apply Riva Bond LC thinly over the surface of the cavity to avoid pooling. Light cure for 10 Sec. Apply the restorative material as per manufacturer's instructions.

## ORDER DETAILS

### CAPSULES

Riva Bond LC Capsules  
50 Riva Bond LC Capsules



8800600



**SDI**

YOUR SMILE. OUR VISION.

05-2024

M100133 E



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