



# RIVA CEM AUTOMIX

RESIN MODIFIED GLASS IONOMER LUTING CEMENT



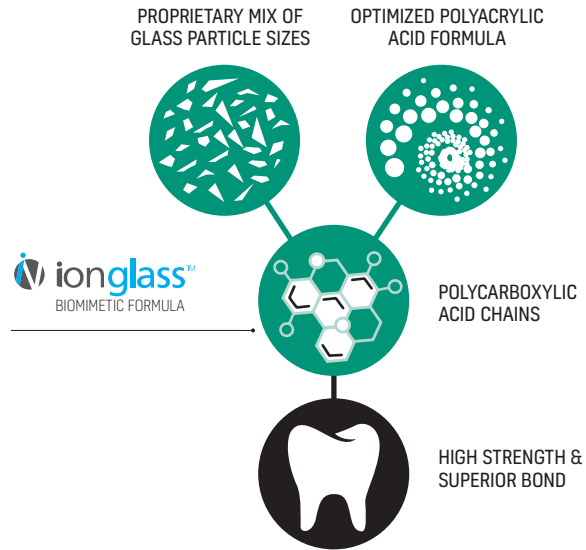
SUPERIOR BOND,  
HIGH STRENGTH  
AND LESS WASTE



# REVOLUTIONARY *IONGLASS*<sup>TM</sup> TECHNOLOGY

Riva Cem Automix features SDI's revolutionary *ionglass*<sup>TM</sup> technology. This unique blend of different sized reactive glass particles harnesses ion-release to cross-link polycarboxylic acid chains. This focused ion release gives Riva Cem Automix a clinically higher strength, superior bond and more stable aesthetic properties.

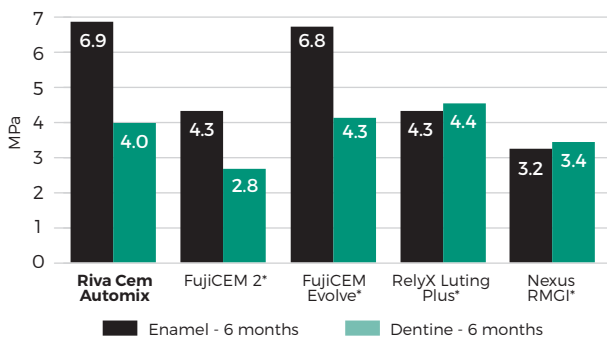
Riva Cem Automix is a self-curing, radiopaque, fluoride releasing paste/paste resin modified glass-ionomer luting cement. It is indicated for the permanent cementation of metal and ceramic restorations. The automix tip attachment offers convenience over traditional hand mixed cement systems.



## EXCELLENT BOND STRENGTH

Reliable adhesion to tooth structure is important for long term retention of cement restorations. Riva Cem Automix shows excellent bond strength to enamel and dentin in an external study conducted over a 6 month period. [Fig 1]

Enamel & dentin - bond strength after 6 months

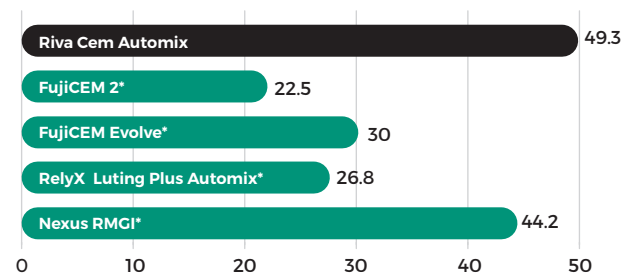


(Fig 1) \*Not a registered trademark of SDI.

Study: In vitro properties of different resin-modified glass-ionomer cements  
Prof. Dr. Alessandro Loguercio and Alessandra Reis (Brazil)

## HIGHEST FLEXURAL STRENGTH

A high flexural strength enhances the longevity of a cement restoration by better withstanding mastication forces. Riva Cem Automix has high flexural strength which increases its durability in the oral environment. [Fig 2]



(Fig 2) Flexural Strength (MPa)

Source: SDI Internal data  
\*Not a registered trademark of SDI.

## CLINICAL CASE



Photos courtesy:  
Dr Ben Alvarez, MD, USA



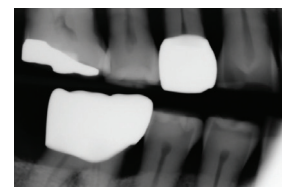
1. Crown preparation.



2. Seat the Zirconia crown.  
Excess cement tack light cured.



3. Excess cement removed with an explorer.



4. Post-operative cementation radiograph confirms successful cement removal.

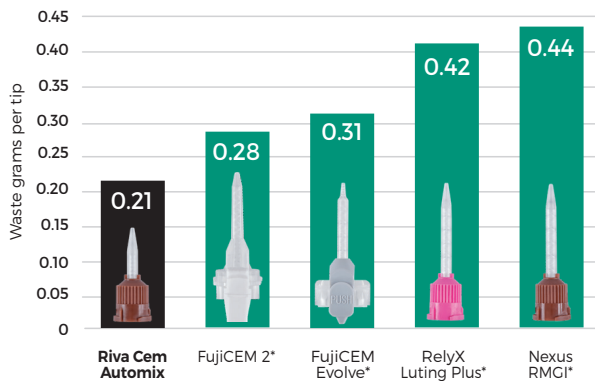
# LESS WASTE. LEADING COLOR STABILITY



## LESS CEMENT WASTE

Riva Cem Automix offers more tips than any other leading cement. Each supplied tip has less waste than other cements, providing you with more material for more patients. **[Fig 3]**

### Cement tip waste comparison



**(Fig 3)**

Source: SDI Internal data  
\*Not a registered trademark of SDI.

## EASY REMOVAL OF EXCESS CEMENT

Riva Cem Automix has a light tack cure option for easy removal of excess cement. Simply light tack cure any excess material for 5 seconds with an LED curing light. Then gently remove excess material. Alternatively, excess material can be removed after the self curing phase [1 min 30 seconds].

## KEY FEATURES

- Superior bond (enamel & dentin)
- Highest flexural strength
- More tips / less tip waste
- The best long term aesthetics
- Light tack cure option
- Sustained fluoride release
- BPA free
- Shade: light yellow

» The dispensing tips are great and allow me to use less cement, which reduces waste. «

🇺🇸 Dr Byron Davis, DDS, MS Okatie, SC



» Riva Cem Automix is a great product. The cap/tip is absolutely fantastic, the viscosity is excellent, cementation is more efficient, and the light cure/spot cure feature makes cleanup an absolute breeze. «

🇺🇸 Dr Marisol King, DDS, Albuquerque, NM



» Riva Cem Automix made crown cementation less stressful without problems. No one has come back with a crown in their hand, and I received no post-op complaints from patients. «

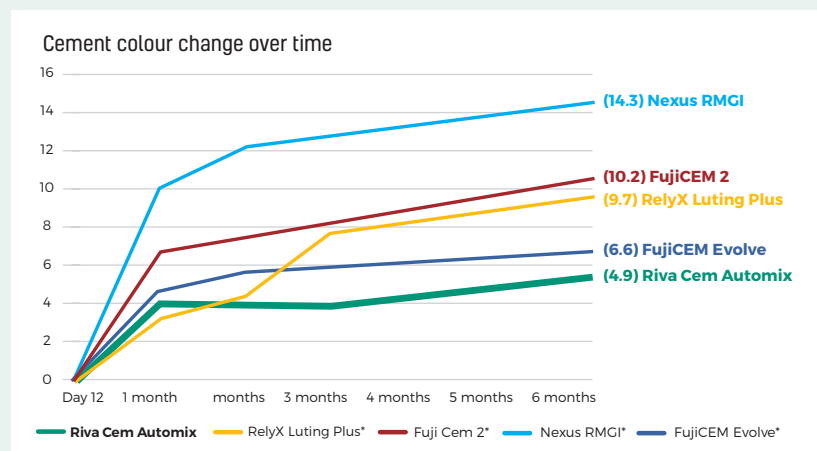
🇺🇸 Dr Craig Aebli, DDS, MS, FAGD Sanford, FL



## THE BEST LONG TERM AESTHETICS

Color changes within luting materials can clinically affect the aesthetic appearance of a prosthesis. It is important to choose a dental cement which has the least color change over time. External tests have confirmed that after 6 months of water storage, Riva Cem Automix has the best in class color stability.

**Study:** In vitro properties of different resin-modified glass-ionomer cements Prof. Dr. Alessandro Loguercio and Alessandra Reis (Brazil)



**(Fig 4)**

\*Not a registered trademark of SDI.

## CEMENTATION PROCEDURE



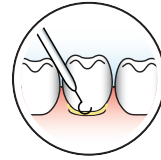
**1** Ensure the internal surface of the restoration to be seated is cleaned, dried and prepared according to manufacturer's instructions.



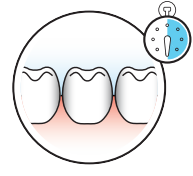
**2** Condition with a polyacrylic acid solution (Riva Conditioner, SDI Ltd) for optimal adhesion. Apply cement to the restoration. Set the restoration.



**3** Light tack cure any excess material for 5 seconds per surface using a high power LED curing light (Radii Xpert, SDI Limited).



**4** Gently remove excess material using a scaler or explorer\*.



**5** Make sure the restoration is seated for 5 min.

\*Note: Excess can also be removed during self curing gel stage (when cement feels rubbery), after 1 min 30 seconds.

## INDICATIONS FOR USE

Permanent cementation of:

INDICATED MATERIAL	TYPE OF RESTORATION
PFM	Crowns & bridges
Prefabricated/Cast	Posts
Metals	Crown, bridges, inlays, & onlays, orthodontic appliances & posts
Ceramics [high strength] <sup>1</sup>	Crowns & bridges, inlays & onlays
Ceramics [low strength] <sup>1,2</sup>	Inlays

<sup>1</sup>High strength ceramics, e.g. Zirconia, Lithium Disilicate

<sup>2</sup>Low strength ceramics, e.g. Feldspathic Porcelains, Glass Ceramics

## ORDER DETAILS



### RIVA CEM AUTOMIX SYR KIT

2 x Riva Cem Automix syringe (4gm)  
16 mixing tips

8800703

### TIPS

Riva Cem Automix mixing tips  
(bag of 50)

8800704

### RIVA CONDITIONER

1 X 10mL Riva Conditioner  
bottle refill

8620001

## SDI | RADII XPERT

### CLINICAL TIP:

Riva Cem Automix can be light tack cured using the Radii Xpert for easy removal of excess cement. Radii Xpert is a professional LED curing light which has interchangeable heads as well as target assist precision curing that enables you to position before curing. Achieve a predictable cure, every time with Radii Xpert.



YOUR OUR  
SMILE. VISION.



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