



# RIVA CEM AUTOMIX

RESIN MODIFIED GLASS IONOMER LUTING CEMENT



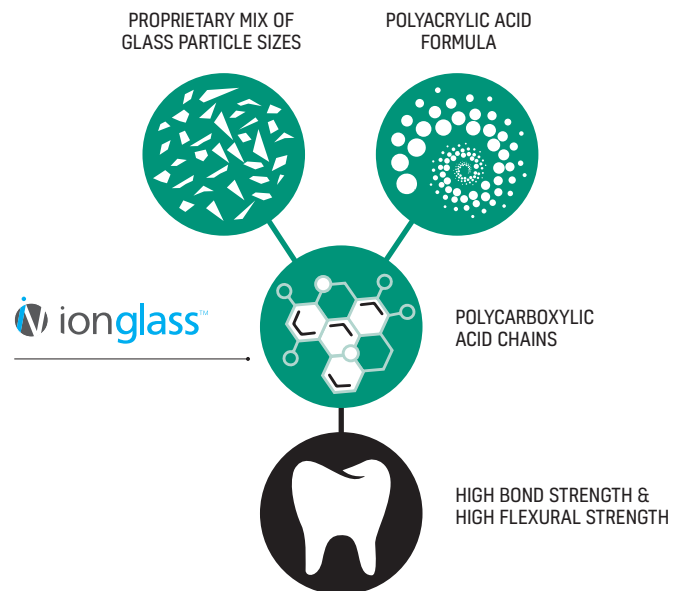
HIGH BOND  
STRENGTH,  
LESS WASTE



# IONGLASS™ TECHNOLOGY

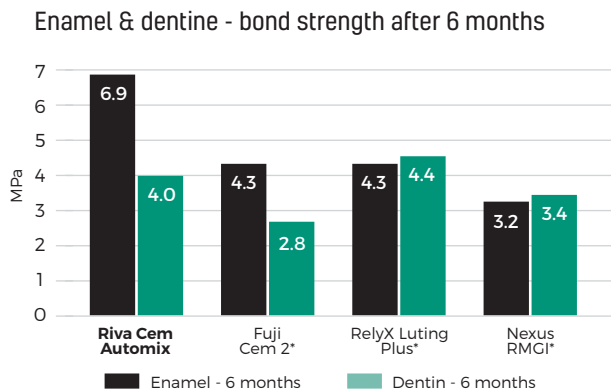
Riva Cem Automix features SDI's **ionglass™** technology. This unique blend of different sized reactive glass particles harnesses ion-release to cross-link polycarboxylic acid chains. This focused ion release gives Riva Cem Automix a high mechanical strength, high bond strength and long term aesthetic 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.



## HIGH 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 dentine in an external study conducted over a 6 month period. **(Fig 1)**

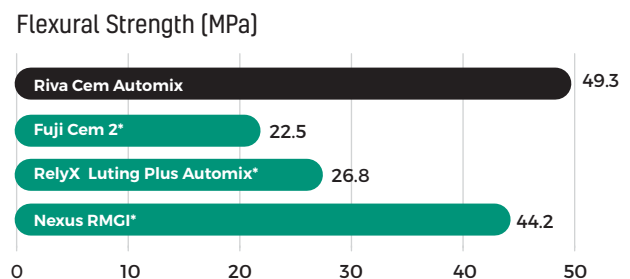


**(Fig 1)** \*Not a registered trademark of SDI.

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

## HIGH 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)**



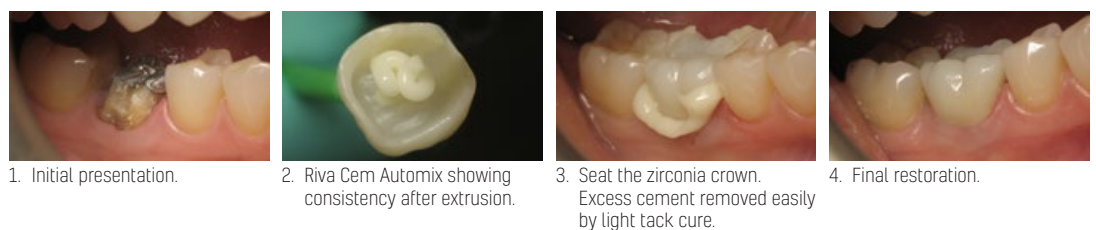
**(Fig 2)** Flexural Strength (MPa)

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

## CLINICAL CASE



Photos courtesy:  
Dr Yassine Harichane [FRANCE]



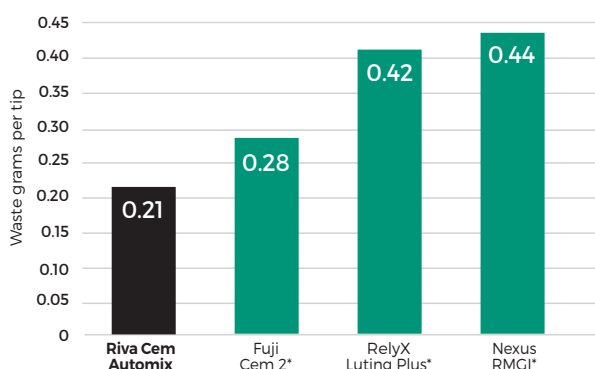
# LESS WASTE. EXCELLENT COLOUR STABILITY



## 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.<sup>1</sup> 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].

<sup>1</sup>Dental Product Shopper, Vol 18 No. 3, page 115

## KEY FEATURES

- High bond strength (enamel & dentine)
- High flexural strength
- More tips / less tip waste
- Long term aesthetics
- Light tack cure option
- 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. «

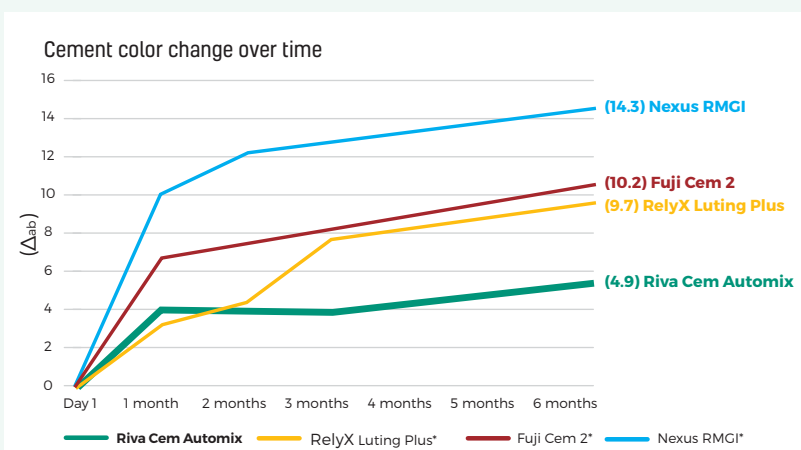
🇺🇸 Dr Craig Aebli, DDS, MS, FAGD Sanford, FL



## LONG TERM AESTHETICS

Colour 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 colour change over time. External tests have confirmed that after 6 months of water storage, Riva Cem Automix has the best colour stability of the tested cements.

**Study:** In vitro properties of different resin-modified glass-ionomer cements Prof. Dr. Alessandro Loguerzio 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.



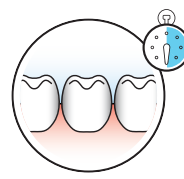
**2** Apply cement to the restoration. Seat the restoration.



**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

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

## ORDER DETAILS



### RIVA CEM AUTOMIX SYR KIT

2 x Riva Cem Automix syringe (4gm) **8800703**  
16 mixing tips

### 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.

### SDI | RIVA CONDITIONER

#### CLINICAL TIP:

For optimal adhesion, condition the tooth with a mild solution of polyacrylic acid (Riva Conditioner, SDI Ltd.). Rinse thoroughly with water and remove excess water.



YOUR SMILE. OUR VISION.



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by SDI Limited  
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