



# RIVA

HELPING  
YOU HELP  
YOUR  
PATIENTS





## WHAT IS A GLASS IONOMER?

Glass ionomer is the generic name of a group of materials that use reactive silicate glass powder and an aqueous solution of polyacid copolymer. This group of materials can be divided into:

- Conventional glass ionomer
- Resin modified glass ionomer

Glass ionomers originally got their name from the glass filler and ionic matrix that forms ionic bonds to the glass filler and tooth structure.

## HOW WILL A DENTIST BENEFIT FROM USING GLASS IONOMERS?

They are quick and easy for a dentist to use. Glass ionomers chemically bond to the tooth structure; therefore, dentists do not need to use a bonding agent like they do with composite resins.

Glass ionomers can be bulk filled - shrinkage is extremely minimal.

## HOW WILL A PATIENT BENEFIT FROM THEIR GLASS IONOMER?

- Smaller cavities - due to the unique chemical adhesion and bioactivity of the glass ionomer, smaller cavities can be cut, avoiding extensions or undercuts for retentive purposes.
- Fluoride releasing - helps prevent the formation of secondary caries underneath the restoration.
- Fluoride recharging - depleted / low fluoride content in the cement can be recharged simply by applying fluoride toothpaste or topical neutral fluoride gel over the restoration.

THE SUPER ADVANTAGES OF USING A GLASS IONOMER ARE THE EXTREMELY HIGH FLUORIDE RELEASE, THE CHEMICAL ADHESION WITH THE TOOTH STRUCTURE AND THE ABILITY TO REMINERALIZE TOOTH STRUCTURE.

# RIVA

# RIVA SELF CURE RIVA SELF CURE HV

## THE TOOTH REMINERALIZING RESTORATIVE



### Tooth remineralizing glass ionomer restorative material

When you are thinking composite resin, think again. Riva Self Cure could be your answer. Remember, no other strong restorative has such fabulous fluoride release, little need for undercuts and the ability to remineralize tooth structure.

Riva Self Cure will resist acidic oral environments. RIVA SC HV has the lowest acid erosion amongst competitors tested.\*

\*Source: Internal test data Nov 2020

Choice of setting time for all treatments: the fastest setting time (Riva SC FAST), and the ideal setting time (RIVA SC) for when more time is needed.

Riva Self Cure HV has the highest compressive strength amongst

competitors tested (external data), to withstand long term mastication forces.\*

\*Source: An independent, non-profit, dental education and product testing foundation, Clinicians Report, Jan 2020. Full report available from SDI upon request.

Riva Self Cure has the highest radiopacity amongst competitors tested, to diagnose and treat patients faster and more easily.\*

\*Source: Internal test data Nov 2020

Riva Self Cure has restored the smiles of over 50 million people across 100 countries.

### 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
- Dentin replacement

### ADVANTAGES

#### Riva Self Cure + Riva Self Cure HV

- Strongest dentin replacement
- High fluoride release
- Chemically adheres to tooth structure
- BPA & HEMA free
- Suitable for bulk filling
- No shrinkage
- Great marginal adaptation
- High acid resistance
- Excellent for minimally invasive dentistry (MID)
- Bioactive proprietary ionglass™ technology
- Radiopaque

#### Special features for Riva Self Cure HV

- Easy to shape and contour
- Non sticky

### PACKAGING

#### Riva Self Cure

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills

Shades: A1, A2, A3,  
A3.5, A4, B2 and B3  
Regular Set and Fast Set

#### Riva Self Cure HV

Boxes of 50 capsules

Shades: A1, A2, A3, A3.5



**COMPOSITE OR  
GLASS IONOMER?**

You have a choice for your restorations: place a composite or a glass ionomer. Unlike glass ionomers, composites provide wonderful natural looking esthetics. Unfortunately, they are time consuming and technique sensitive for the dentist to place.

Glass ionomers are esthetic but not to the same extent as composites.

The super advantages of using a glass ionomer are the extremely high fluoride release, the chemical adhesion with the tooth structure and the ability to remineralize tooth structure.

**NO NEED TO CUT AWAY  
TOO MUCH TOOTH  
STRUCTURE**

Glass ionomers have the ability to arrest caries and remineralize the tooth. This means only the caries infected zone is required to be removed and the affected zone can be left behind.

**MATERIAL THAT RELEASES  
HUGE AMOUNTS OF  
FLUORIDE**

The fluoride content of a glass ionomer is much higher than the normal fluoride content of a tooth. Fluoride ions from the cement (area of high concentration) diffuse to the tooth (area of low concentration). When this reserve of ions is depleted, it can be recharged with a topical application of fluoride in a gel, rinse or toothpaste.

**REMINERALIZE TOOTH  
STRUCTURE**

Glass ionomer cements assist in the remineralization of natural tooth structure.



All of SDI's Riva materials utilize SDI's proprietary ionglass™ filler developed by our glass technologists. ionglass™ is a radiopaque, high ion releasing, reactive glass and releases substantially higher fluoride to assist with remineralization of the natural dentition. The innovative ionglass™ particles enable creamier, non-stick and smoother handling with great polishability.



# RIVA LIGHT CURE RIVA LIGHT CURE HV

## THE GLASS IONOMER WITH TRUE ESTHETICS



### Light cured, resin reinforced glass ionomer restorative material

You know how wonderful a traditional glass ionomer is for your patients' healthy teeth, but you don't like the esthetic qualities. Riva Light Cure has all the advantages of a true glass ionomer with the esthetic life-like look of a composite.

Riva Light Cure has the highest flexural strength amongst competitors tested [external data].\*

\*Source: Al-Naimi OT, Lopes MB, McCabe JF, Prentice LH. Flexural Strength of Resin-Modified Glass-Ionomer cements [RMGICs]. Brisbane (Australia), June 2006.

Riva Light Cure has the highest fluoride release amongst competitors tested [external data].†

†Source: PANPISUT, P. and TONELUCK, A. Monomer conversion, dimensional stability, biaxial flexural strength, and fluoride release of resin-based restorative material containing alkaline fillers. DENTAL MATERIALS JOURNAL, 2020.

Riva Light Cure is the only one in its category with the innovative light safe tip. The orange nozzle protects the paste from prematurely curing under operating light in between placements.

Riva Light Cure is the glass ionomer restorative that has restored the smiles of over 35 million people across 100 countries.

Riva Light Cure HV Dental Advisor Preferred Product for six years in a row.



### INDICATIONS

- Non stress bearing Class I and II restorations
- Class III restorations
- Cervical (Class V) restorations
- Cervical erosions
- Abfraction lesions
- Root surface restorations
- Deciduous teeth restorations
- Geriatric restorations
- Core build ups
- Temporary fillings
- Base / dentin replacement
- Co-curing with composite [Sandwich technique]

### Riva light cure

- Liner
- Pit and fissure sealing

### ADVANTAGES

#### Riva Light Cure Riva Light Cure HV

- Long term wear resistance due to high surface hardness
- Chemically adheres to tooth structure
- BPA free
- High fluoride release
- Orange light safe tip prevents premature setting
- Fabulous esthetic
- Highest color stability to tea & coffee
- Excellent marginal integrity
- High flexural strengths
- Flexible working time
- Bioactive proprietary ionglass™ technology
- Varnishing not required
- Radiopaque

#### Special features for Riva Light Cure HV

- Easy to manipulate and sculpt

### PACKAGING

#### Riva Light Cure

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills

Shades: A1, A2, A3, A3.5, A4, B2, B3, B4, C2, C4, Bleach

#### Riva Light Cure HV

Boxes of 50 capsules

Shades: A1, A2, A3, A3.5, B1



LIGHT  
SAFE TIP!

# RIVA SILVER

## INDICATIONS

## ADVANTAGES

## PACKAGING

## MERCURY FREE FLUORIDE RELEASING SILVER RESTORATIVE



### **Self cured, conventional glass ionomer restorative material**

When you need a tough and strong core build up material or occlusal restoration, Riva Silver could be your answer. Riva Silver is an excellent core build up material. At the same time, it is a great restorative. When all else fails, Riva Silver could be your solution.

- Non stress bearing Class I and II restorations
- Core buildups
- Deciduous teeth restorations
- Geriatric restorations
- Intermediate restoratives and base material for class I and II cavities using the sandwich technique
- Class V restorations in non-esthetic situations
- Temporary fillings
- Restorations where radiopacity is desirable
- Restorative in the field using ART (Atraumatic restorative techniques)
- Temporary endodontic fillings

- Chemically adheres to tooth structure
- High fluoride release
- Easy handling
- No shrinkage
- Great for core build ups
- High early strength - perfect for children and challenging patients
- Silver reinforced
- Very high radiopacity
- High wear resistance
- Bioactive proprietary ionglass™ technology
- Light grey shade - minimal masking required

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills



# RIVA PROTECT

## INDICATIONS

- Pit and fissure sealing
- Root / tooth surface protection
- Hypersensitivity prevention
- Temporary fillings
- Temporary endodontic fillings
- Lining
- Bite openings (for orthodontics)

## ADVANTAGES

- Works in a moist environment - indicated for partially erupted teeth and challenging patients
- Chemically adheres to tooth structure
- BPA & HEMA free
- Super high fluoride release
- ACP nanotechnology - supercharges remineralization
- Assists in arresting and preventing caries - fluoride recharging and releasing
- Low viscosity for easy placement and pit/fissure penetration
- Bioactive proprietary ionglass™ technology
- Radiopaque

## PACKAGING

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills  
Shades: White and Pink  
Regular Set and Fast Set

## ULTIMATE GLASS IONOMER SURFACE PROTECTOR, SEALANT AND LINER



### **Self cured, conventional glass ionomer sealant / liner**

There are many situations where you know protection of the surface is required: pit and fissure sealants, root / tooth surfaces, preventing hypersensitivity, temporary restorations and temporary endodontic sealing. You will often see carious situations you would like to remineralize. Riva Protect is your weapon.



# RIVA LUTING

## INDICATIONS

## ADVANTAGES

## PACKAGING

## GLASS IONOMER LUTING CEMENT WITH FABULOUS FLUORIDE RELEASE



When deciding on a luting cement, there are many types to choose from. Use Riva Luting when you need an easy self curing mix, with high fluoride release, good radiopacity, adhesion to metal and tooth surfaces.

- Cementation of metal or porcelain fused to metal inlays, onlays and crowns
- Cementation of stainless steel crowns
- Cementation of metal posts and screws
- Attachment of metal orthodontic bands
- Lining

- Great for PFM crowns, metal posts, orthodontic bands, implants
- BPA & HEMA free
- Very low film thickness - flows easily between restoration and tooth
- Easy to clean up
- High fluoride release
- Chemically adheres to tooth structure and metal substrates
- Low water solubility - increased longevity and esthetics
- High bond strengths
- Bioactive proprietary ionglass™ technology - high ion exchange
- Light yellow shade

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills





# RIVA LUTING PLUS

## INDICATIONS

- Cementation of resin, metal, or porcelain fused to metal inlays, onlays, bridges and crowns
- Cementation of ceramic inlays and crowns
- Cementation of pins, posts and screws

## ADVANTAGES

- Chemically adheres to tooth and substrates
- BPA free
- High bond strengths
- High fluoride release
- High flexural strength - reduced cracking and failure in flexion
- Clinically insoluble
- High acid resistance
- Bioactive proprietary ionglass™ technology - high ion exchange
- Radiopaque
- Light yellow shade

## PACKAGING

Boxes of 50 capsules  
Powder / liquid kits  
Powder refills  
Liquid refills

## UNIVERSALLY INDICATED RESIN-MODIFIED GLASS IONOMER LUTING CEMENT\*



### **Self cured, resin modified glass ionomer luting cement**

A luting cement that can be used with metal and resin based restorations, as well as a variety of substrates. Riva luting Plus is designed for final cementation of metal, PFM and resin crowns, bridges, inlays and onlays plus ceramic inlays and crowns. Riva Luting Plus chemically bonds to dentin, enamel and all types of core material.



\*Except for all ceramic veneers.

# SUMMARY OF INDICATIONS

	RESTORATIVE					PREVENTATIVE	LUTING	
	GIC					GIC SEALANT	GIC LUTING CEMENT	
	Riva Self Cure	Riva Self Cure HV	Riva Light Cure	Riva Light Cure HV	Riva Silver	Riva Protect	Riva Luting	Riva Luting Plus
Dentin replacement	•	•	•	•				
ART Technique	•	•			•			
Base	•	•	•	•	•			
Adhesive			•			•	•	•
Non stress bearing Class I & II restorations	•	•	•	•	•			
Class III restorations			•	•				
Class V restorations:								
• Abrfraction lesions	•	•	•	•	•			
• Cervical erosion	•	•	•	•	•			
• Root surface restoration	•	•	•	•	•			
• Root surface protection						•		
• Hypersensitivity prevention						•		
Temporary fillings	•	•	•	•	•	•		
Core buildups	•	•	•	•	•			
Deciduous teeth restorations	•	•	•	•	•			
Geriatric restorations	•	•	•	•	•			
Pits and fissure sealing			•			•		
Sandwich technique	•	•	•	•	•			
Co-Curing with composite (sandwich technique)			•	•				
Temporary endodontic filling	•	•			•	•		
Bite opening (for orthodontics)						•		
Cementing metal based restorations							•	•
Cementing resin based restorations								•
Cementing all ceramic inlays and crowns								•
Cementing posts and screws							•	•
Cementing metal based orthodontic bands							•	•



YOUR SMILE. OUR VISION.



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