

SDI | GLASS IONOMERS



HELPING
YOU HELP
YOUR
PATIENTS

THE SUPER ADVANTAGES OF USING A GLASS IONOMER

EXTREMELY HIGH FLUORIDE RELEASE

CHEMICAL ADHESION WITH THE TOOTH STRUCTURE

THE ABILITY TO REMINERALISE TOOTH STRUCTURE

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.

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 aesthetics. Unfortunately, they are time consuming and technique sensitive for the dentist to place.

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

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

NO NEED TO CUT AWAY TOO MUCH TOOTH STRUCTURE

Glass ionomers have the ability to arrest caries and remineralise 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.

REMINERALISE TOOTH STRUCTURE

Glass ionomer cements assist in the remineralisation 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 remineralisation of the natural dentition. The innovative **ionglass™** particles enable creamier, non-stick and smoother handling with great polishability.



RIVA SELF CURE RIVA SELF CURE HV



THE TOOTH REMINERALISING RESTORATIVE

TOOTH REMINERALISING 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 high fluoride release, little need for undercuts and the ability to remineralise tooth structure.

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

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.^

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

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
- Dentinee replacement

ADVANTAGES

Strongest dentine 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 <i>ionglass™</i> technology
Radiopaque
Easy to shape and contour
Non sticky

PACKAGING

Riva Self Cure

Boxes of 50 capsules
Powder / liquid kits
Powder refills
Liquid refills
Regular Set Shades: A1, A2, A3, A3.5 and A4
Fast Set Shades: A1, A2, A3, A3.5, A4, B2 and B3

Riva Self Cure HV

Boxes of 50 capsules
Shades: A1, A2, A3, A3.5



~Source: Internal test data Nov 2020

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

#Source: Internal test data Nov 2020

RIVA LIGHT CURE RIVA LIGHT CURE HV



THE GLASS IONOMER WITH TRUE AESTHETICS

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 aesthetic qualities. Riva Light Cure has all the advantages of a true glass ionomer with the aesthetic life-like look of a composite.

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

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

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 has been awarded Dental Advisor Preferred Product for twelve 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 / dentine replacement
- Co-curing with composite (Sandwich technique)

Riva Light Cure

- Liner
- Pit and fissure sealing

ADVANTAGES

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 aesthetic

Highest color stability to tea & coffee

Excellent marginal integrity

High flexural strengths

Flexible working time

Bioactive proprietary **ionglass™** technology

Varnishing not required

Radiopaque

Riva Light Cure HV

Easy to manipulate and sculpt

PACKAGING

Riva Light Cure

Boxes of 50 capsules

Powder / liquid kits

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



RIVA LIGHT CURE HV



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

†Source: PANISUT, 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 LUTING



ULTIMATE GLASS IONOMER SURFACE PROTECTOR, SEALANT AND LINER

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, and adhesion to metal and tooth surfaces.

INDICATIONS

- 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

ADVANTAGES

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 aesthetics

High bond strengths

Bioactive proprietary *ionglass™* technology – high ion exchange

Light yellow shade

PACKAGING

Riva Luting

Boxes of 50 capsules

Powder / liquid kits

Shades: White and Pink Regular Set and Fast Set



RIVA LUTING PLUS



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 dentine, enamel and all types of core material.

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

Riva Luting Plus

Boxes of 50 capsules

Powder / liquid kits



*Except for all ceramic veneers.

RIVA CEM AUTOMIX



NEWEST GENERATION RESIN-MODIFIED GLASS IONOMER LUTING CEMENT

RESIN MODIFIED GLASS IONOMER LUTING CEMENT

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.

Riva Cem Automix features SDI's revolutionary **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 clinically higher strength, superior bond and more stable aesthetic properties

INDICATIONS

- Cementation of PFM crowns and bridges
- Cementation fo prefabricated and cast posts
- Cementation of metal crowns, bridges, inlays, onlays, orthodontic appliances and posts
- Cementation of Zirconia and E.Max crowns, bridges, inlays and onlays
- Cementation of feldspathic porcelain and glass ceramic inlays

ADVANTAGES

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

PACKAGING

Riva Cem Automix

Box of 2 syringes with 16 mixing tips
Shade: Light Yellow



RIVA SILVER



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.

INDICATIONS

- 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-aesthetic situations
- Temporary fillings
- Restorations where radiopacity is desirable
- Restorative in the field using ART (Atraumatic restorative techniques)
- Temporary endodontic fillings

ADVANTAGES

Chemically adheres to tooth structure

Silver reinforced

Very high radiopacity

Easy handling

No shrinkage

Great for core build ups

High early strength - perfect for children and challenging patients

High fluoride releasing and recharging ability

High wear resistance

Bioactive proprietary *ionglass™* technology

Light grey shade - minimal masking required

PACKAGING

Riva Silver

Boxes of 50 capsules

Powder / liquid kits



RIVA PROTECT



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 remineralise. Riva Protect is your weapon.

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 remineralisation

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

Riva Protect

Boxes of 50 capsules

Shades: White and Pink Regular Set and Fast Set



ORDER DETAILS



RIVA SELF CURE

CAPSULES

Riva Self Cure Regular Set 50 capsules	
A1	8600001
A2	8600002
A3	8600003
A3.5	8600004
A4	8600005
Riva Self Cure Fast Set 50 capsules	
A1	8605001
A2	8605002
A3	8605003
A3.5	8605004
A4	8605005
B2	8605007
B3	8605008

Riva Self Cure High Viscosity 50 capsules	
A1	8630001
A2	8630002
A3	8630003
A3.5	8630004

ASSORTED CAPSULE KIT

Riva Self Cure Assorted Kit Regular Set 20 capsules A2 10 capsules each: A1, A3, A3.5	
Regular Set	8610000
Riva Self Cure Assorted Kit Fast Set 10 capsules each: A1, A2, A3, A3.5, B2	
Fast Set	8620000

POWDER / LIQUID KITS

Riva Self Cure Powder/Liquid Kits 6.9mL (8g) Riva Self Cure Liquid 15g Riva Self Cure Powder, Accessories	
A1	8610501
A2	8610502
A3	8610503
A3.5	8610504

POWDER / LIQUID REFILLS

Riva Self Cure Powder Refill 15g Riva Self Cure Powder	
A3	8610103
Riva Self Cure Liquid Refill	
6.9mL (8g) bottle refill	8610900



RIVA LIGHT CURE

CAPSULES

Riva Light Cure Capsules 50 Riva Light Cure capsules	
A1	8700001
A2	8700002
A3	8700003
A3.5	8700004
A4	8700005
B2	8700007
B3	8700008
B4	8700010
C2	8700012
C4	8700014
Bleach	8700016

Riva Light Cure HV Capsules 50 Riva Light Cure HV capsules	
A1	8730001
A2	8730002
A3	8730003
A3.5	8730004
B1	8730006

ASSORTED CAPSULE KIT

Riva Light Cure Capsule Assorted Kit	
10 each of A1, A2, A3, A3.5 and B2 capsules	8710000

POWDER / LIQUID KITS

Riva Light Cure Powder/Liquid Kits 8g (7.2mL) Riva Light Cure Liquid bottle 15g Riva Light Cure Powder bottle Accessories	
A1	8700501
A2	8700502
A3	8700503

ORDER DETAILS



RIVA LUTING

CAPSULES, POWDER AND LIQUID

Riva Luting Capsules 50 x Riva Luting Capsules	8650008
Riva Luting Powder/Liquid Kit 35g Riva Luting Powder 25g Riva Luting Liquid Accessories	8650508
Riva Luting Powder/Liquid Triple Pack 3 x 35g Riva Luting Powder 3 x 25g Riva Luting Liquid Accessories	8650510



RIVA LUTING PLUS

CAPSULES, POWDER AND LIQUID

Riva Luting Plus Capsules 50 Riva Luting Plus Capsules	8651008
Riva Luting Plus Powder/Liquid Kits 10g (8.95 mL) Liquid 25g Powder Accessories	8651508



RIVA CEM AUTOMIX

RIVA CEM AUTOMIX SYR KIT

2 x Riva Cem Automix syringe (4gm) 16 mixing tips	8800703
Riva Cem Automix mixing tips (bag of 50)	8800704



RIVA SILVER

CAPSULES, POWDER AND LIQUID

Riva Silver Capsules 50 x Riva Silver Capsules	8670008
Riva Silver Powder/Liquid Kit 10g (8.9ml) Riva Silver Liquid 32g Riva Silver Powder Accessories	8670508



RIVA PROTECT

CAPSULES, POWDER AND LIQUID

Riva Protect Capsules Regular Set 50 x Riva Protect Capsules	
Pink	8680000
White	8690000
Riva Protect Capsules Fast Set 50 x Riva Protect Capsules	
Pink	8685000
White	8695000



YOUR SMILE. OUR VISION.



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