



RIVA SELF CURE

GLASS IONOMER RESTORATIVE MATERIAL

NOW WITH
EASY
ACTIVATION
CAPSULE

IONGLASS
FOR HEALTHIER
TEETH



THE IONGLASS LONG TERM BREAKTHROUGH



Drawing on 50 years of dental research experience, SDI's **ionglass™** filler was developed specially for Riva and is manufactured in Australia by our glass experts.

The **ionglass™** technology mimics the natural tooth structure, guaranteeing restorations will withstand long term mastication forces and patients will be satisfied with the treatment.

BIOACTIVE GLASS HYBRID

Riva Self Cure contains **ionglass™** filler, made of a unique blend of different sizes of ultrafine highly reactive glass particles.

This bioactive proprietary hybrid glass enables long term restorations, being outstanding in handling, strength and aesthetics.

The **ionglass™** filler contains fluoride and strontium ions which synergistically enhance tooth bioremineralization.

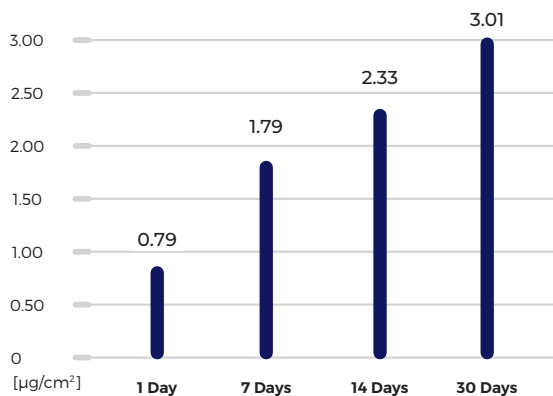
[Source: Thuy et al. Arch Oral Biol. 2008 Nov; 53(11):1017-22]

Superior biocompatibility ensures healthier teeth, the restoration will last longer and the patient will be more satisfied.

SUPERIOR FLUORIDE RELEASE

The extra strong hybrid matrix provides great fluoride release†, increasing defense against caries, while having very low wear to enable the perfect long term bulk fill restoration every time.

CUMULATIVE FLUORIDE RELEASE FOR RIVA SELF CURE



† Source: Internal test data Dec 2020

RIVA SELF CURE IS BIOMIMETIC

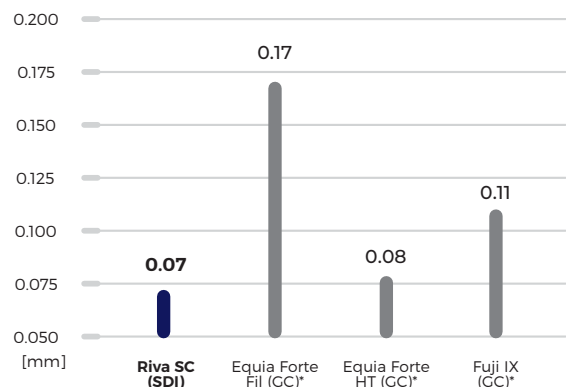
Riva Self Cure replaces dentin, imitating some of its natural features. The **ionglass™** technology for Riva Self Cure mimics dentin's hydrophilic characteristic and coefficient of thermal expansion. To make the restoration time-efficient, no etching or adhesive is required. This dramatically reduces chair time for the dentist and the risk of sensitivity for the patient. A patient with a nice smile and no sensitivity has a better quality of life.

LONG TERM ACID RESISTANCE

The **ionglass™** technology stimulates the biomineralization of dentin by over saturating the minerals in its organic matrix. The result is the formation of fluorapatite crystals, which are more resistant to acid attacks than the natural tooth, benefiting patients during bacterial and acidic challenges.

The ISO Standard 9917-1 dictates that a material cannot have acid erosion of more than 0.17mm. Riva Self Cure will resist acidic oral environments.

DEPTH OF ACID EROSION AFTER 24 HOURS



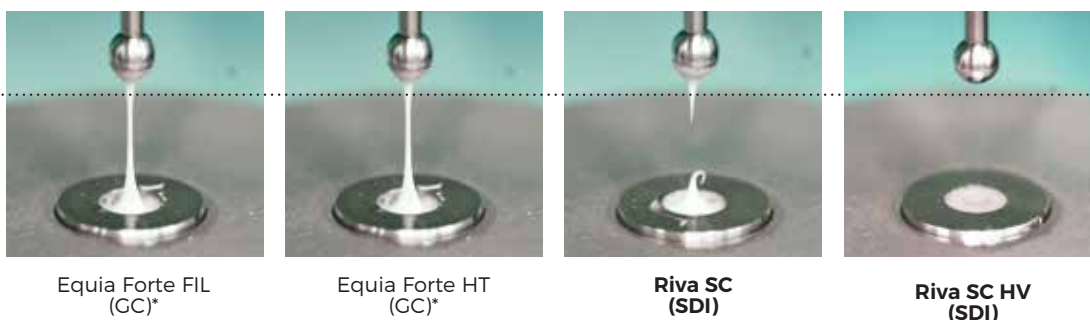
Source: Internal test data Nov 2020

*Not a registered trademark of SDI.

BEAUTIFUL HANDLING

Riva Self Cure extrudes easily into the cavity with the innovative **ionglass™** particles enabling creamier, non-stick and smoother handling. Polishability is made simple and long-term surface integrity is maintained. For an exceptional packable, high viscosity material, use Riva Self Cure HV.

Riva Self Cure has been independently evaluated as having superior handling. The unique formulation is less stringy or sticky, making placement quicker and easier.



Source: Internal test data Nov 2020
*Not a registered trademark of SDI.

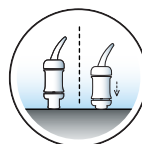
» Riva Self Cure has the edge on glass strength and fluoride release. «

Professor Edward Lynch, University of Warwick, UK

Listed in the World's Top 100 Doctors in Dentistry - January 2020.
Winner of The Global Outreach Healthcare Award - June 2020.

EASY ACTIVATION

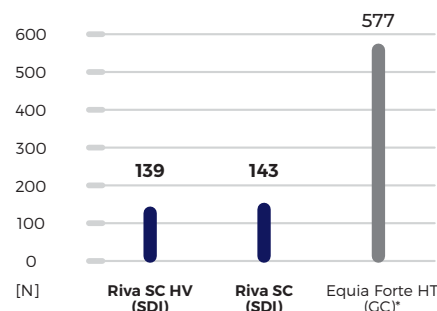
The new Easy Activation capsules are now 70% easier to activate. This saves you time and effort when preparing a restoration.



EASIER EXTRUSION

Riva Self Cure is 70% easier to extrude†. This minimizes hand tremors and muscle stress, giving you more stability and control when placing restorations.

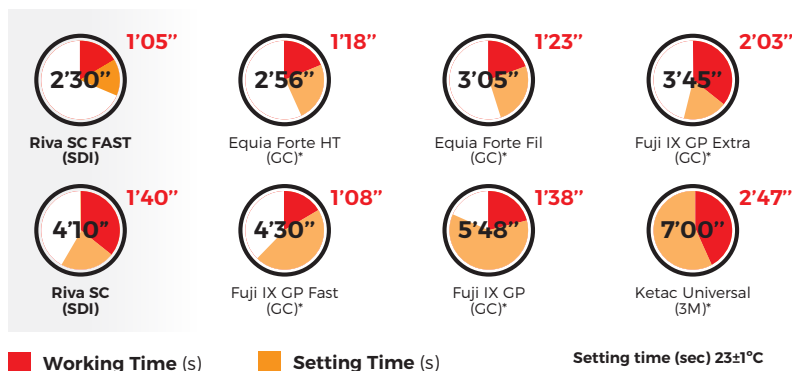
AVERAGE EXTRUSION FORCE



†Source: Internal test data Nov 2020
*Not a registered trademark of SDI.

CHOICE OF SETTING TIME FOR ALL TREATMENTS

Different clinical scenarios demand different setting times. Riva Self Cure Fast Set offers the fastest setting time for when a quick procedure is required. If more time is needed, Riva Self Cure offers the ideal time-frame for working with comfort and confidence.



■ Working Time (s) ■ Setting Time (s)

Setting time (sec) 23±1°C
Source: Internal test data Nov 2020
*Not a registered trademark of SDI.

VISCOSITY OPTIONS

Riva Self Cure is available in a range of viscosity options to suit your placement preferences.

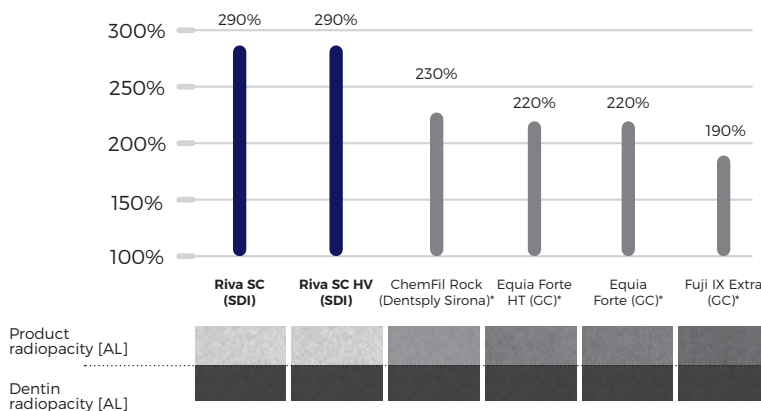


BEST IN CLASS AESTHETICS

HIGHEST RADIOCAPACITY

Riva Self Cure **ionglass™** offers significantly higher radiopacity than other restorative options of its category†. On radiographs, the contrast between Riva Self Cure and dentin is evident on the tooth-restoration interface. This helps to diagnose and treat patients faster and more easily.

RADIOCAPACITY



†Source: Internal test data Nov 2020 *Not a registered trademark of SDI.

A HYBRID RESTORATIVE WITH MORE INDICATIONS



Class I

Class II

Class V

- ✓ Class I
- ✓ Class II (see technique guide on SDI website)
- ✓ Class V
- ✓ Core build up
- ✓ Deciduous teeth restorations
- ✓ Geriatric restorations
- ✓ Temporary fillings
- ✓ ART (Atraumatic Restorative Treatment)
- ✓ SMART (Silver Modified Atraumatic Restorative Treatment) - e.g. Riva Star, SDI Limited.
- ✓ Dentin replacement
- ✓ Sandwich technique restorations
- ✓ Molar Incisal hypomineralization (MIH) (intermediate approach)
- ✓ Minimally invasive dentistry



BEFORE



AFTER

Photos courtesy of Dr. Marcelo Alves and Dr. Alvaro Junqueira - Brazil



BEFORE



AFTER

Photos courtesy of Dr. Marcelo Alves and Dr. Alvaro Junqueira - Brazil

» Versatility and easy handling are key benefits of Riva Self Cure for use in Pediatric Dentistry. «

Dr Daniela P. Raggio,
Associate Professor - University of Sao Paulo Editor in Chief
International Journal of Pediatric Dentistry (UK)

THE UNIQUE BIOMIMETIC FOR LONG TERM RESTORATIONS

Formulated using patented *ionglass™* technology, Riva Self Cure has restored the smiles of over 50 million people across 100 countries.

The next generation of glass ionomer, this high performance system combines a glass hybrid restorative with a strong resin coat to maximize the longevity and the strength of your patient's restorations. Riva Self Cure has earned its reputation through superior fluoride release, strength and great handling.

Perfect for a wide range of clinical situations, Riva Self Cure is the bulk fill solution you need to save you time and to mimic some of the best characteristics of the tooth.

BPA FREE

Riva Self Cure is BPA-free, making it a safer option for you and your patients.



LONG TERM STRENGTH FOR BULK FILLS

Clinicians Report Jan 2020, Vol 13, Issue 1

370 MPa

SUPERIOR WEAR RESISTANCE

Internal test data, November 2020

99 μm

SUPERIOR LONG TERM FLUORIDE RELEASE

Internal test data, November 2020

3.01 $\mu\text{g}/\text{cm}^2$

LONG TERM ACID RESISTANCE

Internal test data, November 2020

0.07 mm

HIGH RADIOPACITY

Internal test data, November 2020

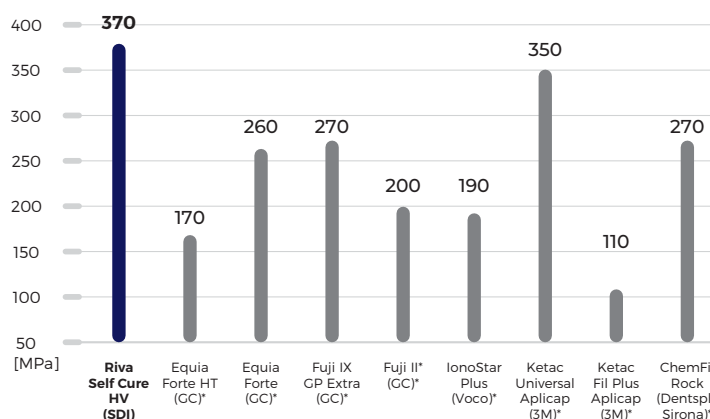
290%

STRONGER FOR LONG TERM

Like dentin, Riva Self Cure has a very high compressive strength and a superior wear resistance, ensuring it will withstand long term mastication forces.

HIGH STRENGTH

COMPRESSIVE STRENGTH



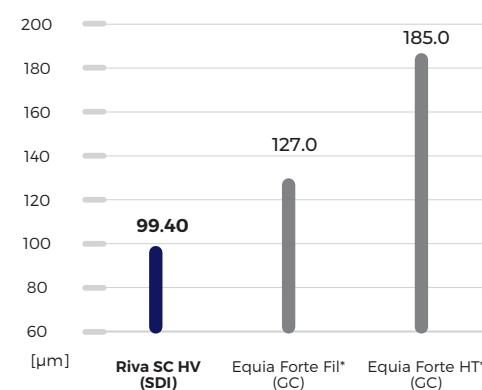
Source: An independent, non-profit, dental education and product testing foundation, Clinicians Report, Jan 2020. Full report available from SDI upon request.

*Not a registered trademark of SDI.

SUPERIOR WEAR RESISTANCE

DEPTH OF SURFACE WEAR

Wear with coat¹
[2,700 cycles per day]

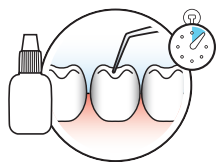


Source: Internal test data Nov 2020 *Not a registered trademark of SDI.

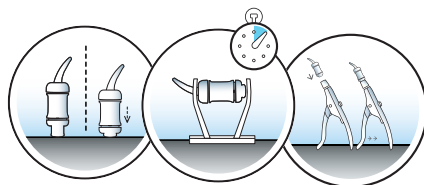
¹Tested with ACTA [Academic Centre for Dentistry Amsterdam] wear machine – proven to be a realistic simulation of clinical wear².

²de Gee, A. and Pallav, P., 1994. Occlusal wear simulation with the ACTA wear machine. Journal of Dentistry, 22, pp.S21-S27.

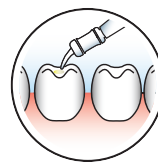
INSTRUCTIONS[^]



- 1** Prepare cavity and isolate the tooth.
OPTIONAL: Apply Riva Conditioner for 10 seconds, wash and remove excess water.



- 2** Activate the capsule and mix it in a triturator for 10 seconds, before placing it into the applicator.



- 3** Apply into the cavity in a single increment.



[^] For powder and liquid instructions, please refer to Instructions for Use

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RIVA SELF CURE CAPSULES

Riva Self Cure Regular Set 50 capsules

A1	8600001
A2	8600002
A3	8600003
A3.5	8600004
A4	8600005
B2	8600007
B3	8600008

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 Assorted Kits 10 capsules each: A1, A2, A3, A3.5 and B2

Regular Set	8610000
Fast Set	8620000

Riva Self Cure High Viscosity 50 capsules

A1	8630001
A2	8630002
A3	8630003
A3.5	8630004



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

Riva Self Cure Powder 15g Riva Self Cure Powder

A3	8610103
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RIVA SELF CURE LIQUID

6.9mL (8g) Bottle for Regular Set shades	8610900
9.5mL (11g) Bottle for T-shades	8610905



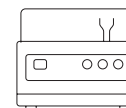
ACCESSORIES

Riva Coat 5mL bottle refill	8610001
Riva Conditioner 10mL bottle refill	8620001



APPLICATORS

Riva Applicator	5545009
Riva Applicator 2	5545013



EQUIPMENT

Ultramat 2 High speed multi-use triturator	5546045
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YOUR SMILE. OUR VISION.



11-2023

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