

SDI | RIVA SELF CURE

BULK FILL GLASS HYBRID RESTORATIVE SYSTEM

NOW WITH
EASY
ACTIVATION
CAPSULE

IONGLASS
FOR HEALTHIER
TEETH



THE IONGLASS LONG TERM BREAKTHROUGH



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 in handling, strength and aesthetics.

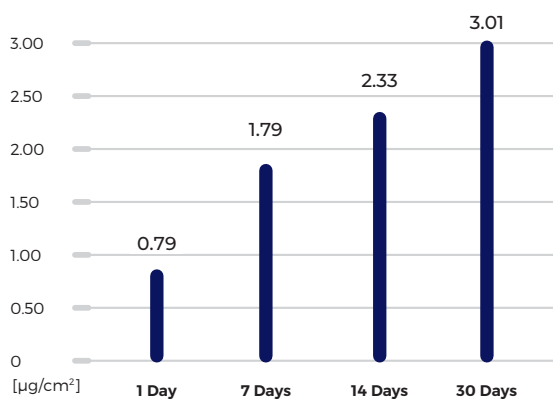
The *ionglass™* filler contains fluoride and strontium ions which synergistically enhance tooth biomineralisation.

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

FLUORIDE RELEASE

The hybrid matrix provides fluoride release[†], increasing defense against caries, while having very low wear to enable long term bulk fill restoration every time.

CUMULATIVE FLUORIDE RELEASE FOR RIVA SELF CURE



[†] Source: Internal test data Dec 2020

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, so that restorations will withstand long term mastication forces.

To make the restoration time-efficient, no etching or adhesive is required. This reduces chair time for the dentist and the risk of sensitivity for the patient.

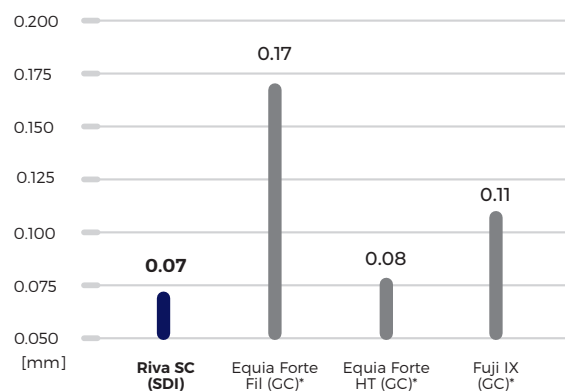
ACID RESISTANCE

The *ionglass™* technology stimulates the biomineralisation of dentine 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.

[†] Thomas Faidt et al. 2018. Effect of Fluoride Treatment on the Acid Resistance of Hydroxyapatite. Langmuir 34 [50].

DEPTH OF ACID EROSION AFTER 24 HOURS



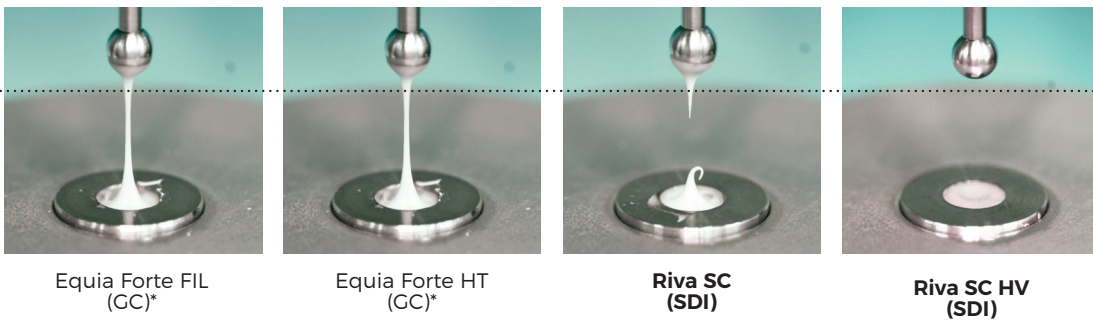
Source: Internal test data Nov 2020

*Not a registered trademark of SDI.

HANDLING

Riva Self Cure extrudes easily into the cavity with the innovative *ionglass*[™] particles enabling creamy and smooth handling. Polishability is made simple and long-term surface integrity is maintained. For a packable, high viscosity material, use Riva Self Cure HV.

Riva Self Cure has a unique formulation that reduces stringiness, making placement quicker and easier.



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

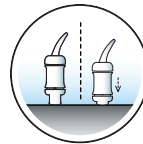
» Riva Self Cure has the edge on glass strength and fluoride release. «

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

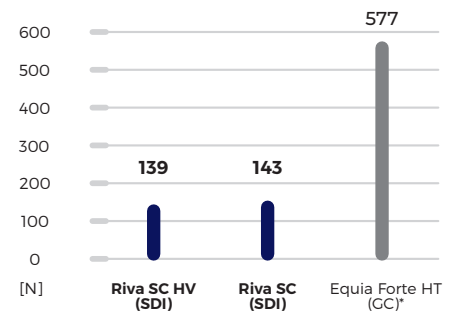
The new Easy Activation capsules are now 70% easier to activate. This saves you time and effort when preparing a restoration.



EASIER EXTRUSION

Riva Self Cure is 70% easier to extrude[†]. Giving more stability and control when placing restorations.

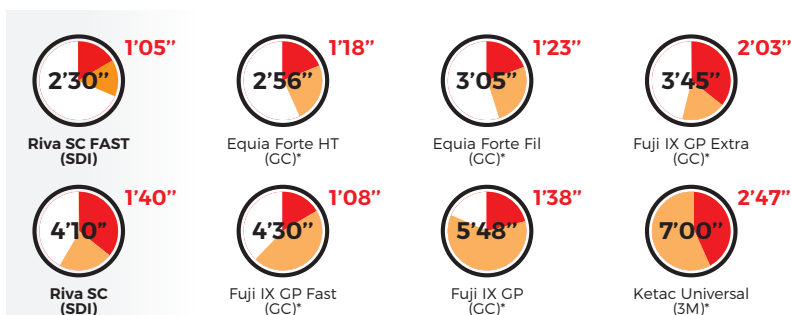
AVERAGE EXTRUSION FORCE



[†]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 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.

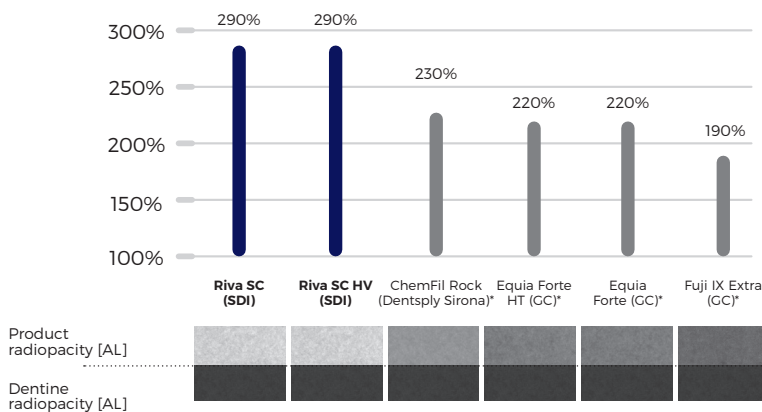


AESTHETICS

HIGH RADIOPACITY

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

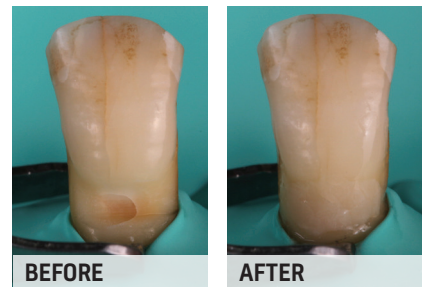
RADIOPACITY



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



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



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

A HYBRID RESTORATIVE WITH BROAD 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
- ✓ Dentine replacement

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

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

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 resin coat to maximise the longevity and the strength¹ of your patient's restorations. Riva Self Cure has earned its reputation through fluoride release, strength and great handling.

Suitable 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.

¹ Jafarpour D, Mese A, Ferooz M, Bagheri R. The effects of nanofilled resin-based coatings on the physical properties of glass ionomer cement restorative materials. J Dent. 2019 Oct;89:103177. doi: 10.1016/j.jdent.2019.07.015. Epub 2019 Jul 25. PMID: 31351908.

BPA FREE

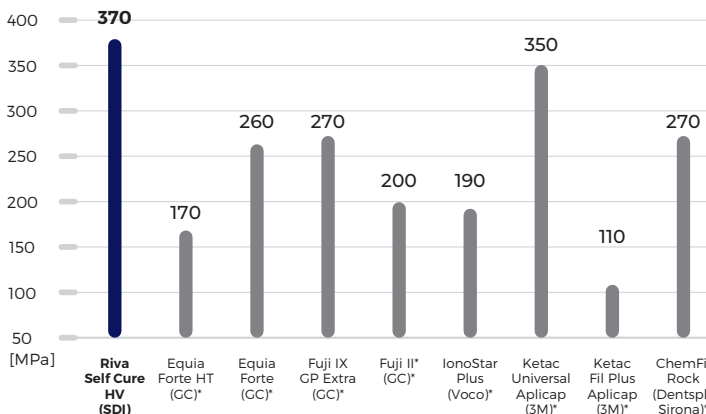
Riva Self Cure is BPA-free, making it a safer option for you and your patients.

STRONGER FOR LONG TERM

Like dentine, Riva Self Cure has a very high compressive strength and high wear resistance, allowing to withstand long term mastication forces².

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.

²LS Türkün, Ö Kanik; A Prospective Six-Year Clinical Study Evaluating Reinforced Glass Ionomer Cements with Resin Coating on Posterior Teeth: Quo Vadis?. Oper Dent 1 November 2016; 41 (6): 587-598. doi: https://doi.org/10.2341/15-331-C

STRENGTH FOR BULK FILLS

Clinicians Report Jan 2020, Vol 13, Issue 1

370 MPa

WEAR RESISTANCE

Internal test data, November 2020

99 μm

LONG TERM FLUORIDE RELEASE

Internal test data, November 2020

3.01 μg/cm²

ACID RESISTANCE

Internal test data, November 2020

0.07 mm

HIGH RADIOPACITY

Internal test data, November 2020

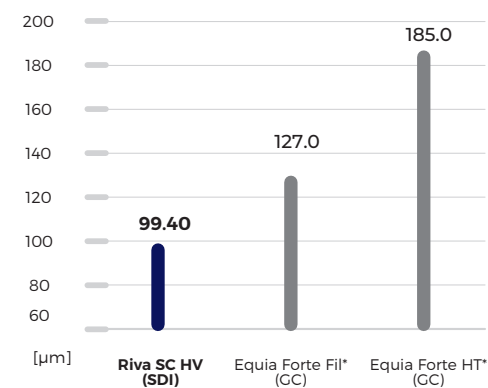
290%



WEAR RESISTANCE

DEPTH OF SURFACE WEAR

Wear with coat¹
(2,700 cycles per day)

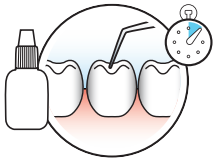


Source: Internal test data Nov 2020 *Not a registered trademark of SDI.

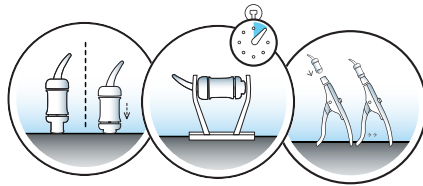
¹Tested with ACTA (Academic Centre for Dentistry Amsterdam) wear machine - proven to be a realistic simulation of clinical wear².

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

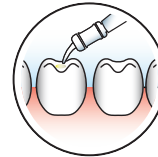
INSTRUCTIONS[^]



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



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 Assorted Kit 10 capsules each: A1, A3, A3.5 20 capsules: A2	
Regular Set	8610000
Riva Self Cure Assorted Kit 10 capsules each: A1, A2, A3, A3.5 and B2	
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
5.2mL (6g) Riva Self Cure Liquid bottle 10g Riva Self Cure Powder bottle Accessories	
A2	8610612
A3	8610613



POWDER

Riva Self Cure Powder 15g Riva Self Cure Powder	
A3	8610103



RIVA SELF CURE LIQUID

6.9mL (8g) Bottle for Regular Set shades	
	8610900



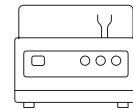
ACCESSORIES

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
Ultramat S High speed multi-use triturator



YOUR SMILE. OUR VISION.



08-2024

M860001 S



+D036M8600011S

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