

SDI

RIVA LUTING

GLASS IONOMER LUTING CEMENT

CHEMICALLY
ADHERES
TO TOOTH
STRUCTURE
AND METAL
SUBSTRATES



SELF-CURING GLASS IONOMER LUTING CEMENT

Riva Luting is a conventional, self curing, glass ionomer luting cement designed for final cementation of metal based restorations. It chemically bonds to metal substrates and the tooth.

Riva Luting utilises SDI's proprietary *ionglass™* filler developed by our glass technologists. *ionglass™* is a radiopaque, high ion releasing, reactive glass used in SDI's range of dental cements. Riva Luting releases substantially higher fluoride to assist with remineralisation of the natural dentition.



1
SIMPLE
COLOUR

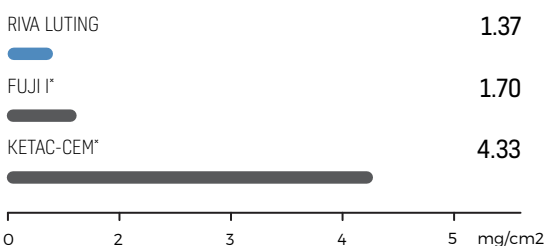
17µM

LOW FILM THICKNESS

LOW SOLUBILITY

Riva Luting has low solubility in the oral environment. This increases the material's ability to resist disintegration and wear caused by oral acidity.

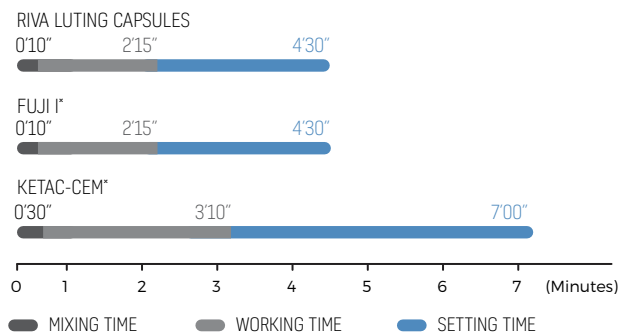
WATER SOLUBILITY (7 MINUTES AFTER MIXING)**



SETTING TIMES

There will be minimal loss of working time when using Riva Luting. With adequate working time and a quick setting property, Riva Luting will shorten chair time and ensures early resistance.

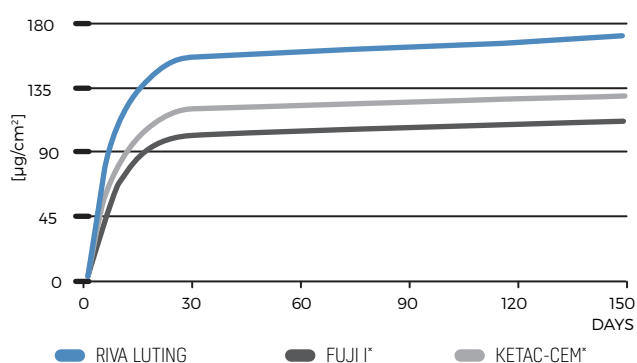
TIMES**



HIGH FLUORIDE RELEASE

Riva Luting's free movement of fluoride provides benefits to the tooth. Fluoride plays several significant roles in any caries - prevention program. These include the formation of fluorapatite, which is more acid resistant than hydroxyapatite. Fluorapatite is very important for tooth remineralisation.

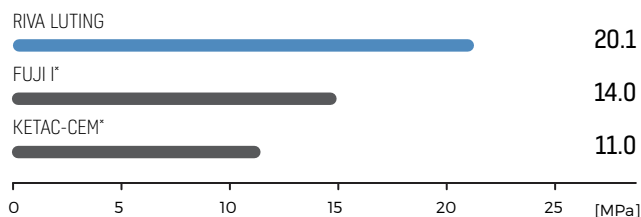
CUMULATIVE FLUORIDE RELEASE [1]



HIGH FLEXURAL STRENGTH

High flexural strength enhances longevity of a glass ionomer luting cement by withstanding mastication forces. Riva Luting's high flexural strength increases its durability in the oral environment and long term ability to retain indirect restorations.

FLEXURAL STRENGTH [MPa]**



ADVANTAGES

Chemically adheres to tooth structure and metal substrates

BPA & HEMA free

Very low film thickness - flows easily between restoration and tooth

Easy to clean up

Low water solubility - increased longevity and aesthetics

High bond strengths

High fluoride releasing and recharging ability

Bioactive proprietary *ionglass™* technology - high ion exchange

Great for PFM crowns, metal posts, orthodontic bands, implants

Light yellow shade

INDICATIONS

Cementation of metal or porcelain fused to metal inlays, onlays and crowns

Cementation of stainless steel crowns

Cementation of posts and screws

Attachment of metal orthodontic bands

Lining






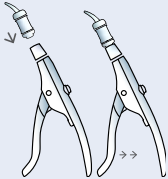




PROVEN ANTIMICROBIAL EFFECT

Compared to other materials such as fluoride releasing resin cements, Riva Luting has proven antimicrobial activity against three cariogenic bacteria: Streptococcus mutans, Streptococcus sobrinus and Lactobacillus [2].



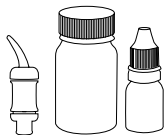
Photos courtesy of Dr Shuichi Tsubura D.D.S, Tochigi, Japan

INSTRUCTIONS FOR CAPSULES[^]

- 1 Isolate and prepare tooth core. 
- 2 Ensure the internal surface of the restoration to be seated is cleaned and dried. Do not dehydrate the tooth. Do not remove the smear layer. In cases where pulp protection is necessary, use a calcium hydroxide liner. 
- 3 Activate the capsule and immediately mix in a triturator. Do not click before you mix.  Press capsule down to click.  Ten seconds in a triturator. 
- 4 Immediately place into capsule applicator and click trigger until paste is seen through the clear nozzle. 
- 5 Gently extrude approximately 1mm of cement onto the bonding surface. 
- 6 Seat restoration within 30 seconds. 
- 7 Remove excess cement at the first formation of the gel stage (approx. 2 min from start of mixing). 
- 8 Maintain isolation until set is verified. [approx. 4 minutes, 35 seconds from start of mixing]. 

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

ORDER DETAILS



CAPSULES, POWDER AND LIQUID

Riva Luting Capsules 50 x Riva Luting Capsules	8650008
Riva Luting Powder/Liquid Kit 35g Riva Luting Powder 25g (24.3ml) Riva Luting Liquid Accessories	8650508
Riva Luting Powder/Liquid Triple Pack 3 x 35g Riva Luting Powder 3 x 25g (24.3ml) Riva Luting Liquid Accessories	8650510
Riva Luting Powder Refill 35g Riva Luting Powder Accessories	8650108
Riva Luting Liquid Refill 25g (24.3ml) Riva Luting Liquid	8650900



APPLICATORS

Riva Applicator	5545009
Riva Applicator 2	5545013
Riva Applicator 2 Black	5545023



* Not the registered trademarks of SDI Limited.

** Published and SDI Test Data.

[1] McCabe JF, Al-Naimi OT. Fluoride release into water for the Riva GIC products compared with competitor products. Experiment 2. University of Newcastle (UK), September 2004.

[2] Waldo B, Zhang P, Bennett J, Michalek SM, Katz J, Broome JC. Antimicrobial Activity of Composite-Resin and Glass-Ionomer Cements. University of Alabama at Birmingham, School of Dentistry, USA; March 2005.



YOUR SMILE. OUR VISION.



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