

ZIRCONOMER

IMPROVED

Zirconia Reinforced Restorative



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new improved, eco friendly white amalgam
*now in **tooth color** ...*

Zirconomer Improved is developed as a reliable and durable tooth coloured zirconia reinforced posterior restorative. Novel nano-sized zirconia fillers enhance material translucency for a closer shade match to natural tooth with superior handling characteristics for a simple, easy and fast bulk placement.

Considered a safe alternative to silver amalgam, it exhibits the strength and durability of amalgam and protective benefits of glass ionomer, while eliminating the hazards of mercury.

Strong, durable and fluoride rich, **Zirconomer Improved** is ideal as a bulk fill restorative for structural cores and bases as well as cases with high caries risk.

Indications



FEATURES OF ZIRCONOMER IMPROVED

- Remarkable edge strength and excellent marginal adaptation
- Self-adhesive with tooth-like co-efficient of thermal expansion
- Sustained fluoride protection, especially in cases with high caries risk
- Excellent mixing & handling qualities
- Higher translucency for a closer match to natural tooth
- Durability like silver amalgam without the hazard of mercury
- Excellent resistance to abrasion & erosion

Superior Mechanical Properties

Zirconomer Improved outperforms restorative reinforced glass ionomer in stress bearing posterior restorations with notably high compressive strength and dimensional stability for long-lasting performance.

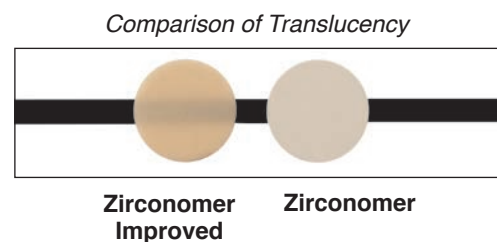
Mechanical Properties	ISO Limit for Amalgam	Zirconomer Improved
Compressive strength @ 1 hour (MPa)	> 80 MPa	149
Compressive strength @ 24 hours (MPa)	> 300 MPa	326
Creep	< 2%	0.01%
Dimensional stability	-0.10% to +0.20%	0.06%

Exceeds standard ISO 24234 Amalgam Specifications

(Data Source : Shofu R&D)

Remarkable Translucency

Zirconomer Improved is formulated with zirconia nano fillers that impart a higher level of translucency for a closer match to natural tooth colour, ideal even for cores requiring coverage with high end all-ceramic restoration.



Durable Posterior Restorations

Case 1 Maxillary first molar Class II cavity



Case 2 Maxillary first premolar Class II cavity



Photographs courtesy of Dr. Sushil Koirala

Instruction for use

Powder / Liquid Ratio	3.6 / 1.0 (2 Scoops : 1 Drop)
Working Time: 23°C	1 min 30 sec (from start of mixing)
Net Setting Time: 37°C	3 mins (from end of mixing)

Order Information



ZIRCONOMER IMPROVED 1-1 Set
(12gm / 5ml) [REF 3130]

Related Products



Cocoa Butter 10gm [REF 1139]



SHOFU DENTAL ASIA-PACIFIC PTE. LTD.
1 Science Park Road, #01-01 / 02 The Capricorn, Singapore Science Park II,
Singapore 117528 Tel: (65) 6377 2722
eMail: mailbx@shofu.com.sg www.shofu.com.sg



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