

Self-Adhesive Composite Ionomer Luting Cement

TOKUYAMA IONOTITE F



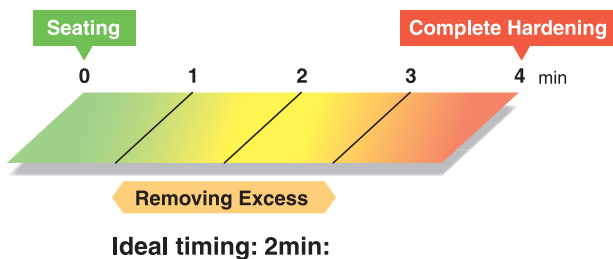
Excellent Adhesion
to Precious Metal Alloy & Teeth

Easy Clean-up

Low Water Sensitivity



*Renewed Confidence
in Cementation*

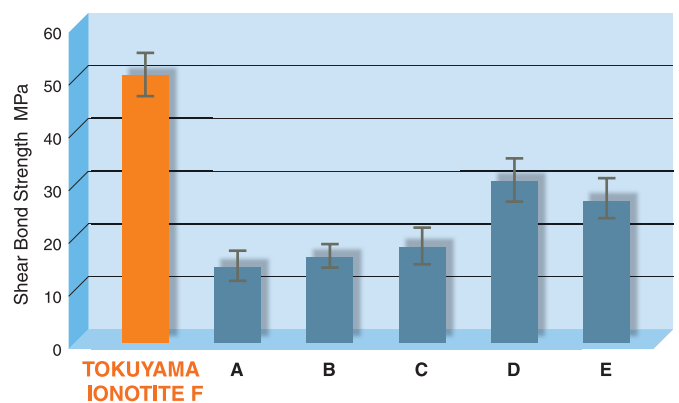


Easy Clean-up



Excellent Adhesion

Shear Bond Strength of various cements to silver-palladium-copper-gold Alloy



- A: *Fuji Luting S
- B: *Fuji Lute BC
- C: *Fuji Lute
- D: *Vitremer™ Luting Cement Fast set
- E: *Xeno-Cem Plus

*Not a registered trademark of Tokuyama Dental Corporation.

Nagasaki University, Adhesive Dentistry 21(2):62-67, 2003

Low Water Sensitivity

IONOTITE F solidifies firmly even in water.



TOKUYAMA IONOTITE F Resin Modified Glass Ionomer

Easy Handling



Easy Mixing

Adequate Flowability
without slumping



IONOTITE F has an unexcelled mixability compared to other conventional cements due to its favorable powder-liquid-assimilation and the **bearing effect** from the round silica particles in the powder component. This effect makes the film thickness ultra thin(5 μ m) thus allowing the paste to reach every corner of the prepared tooth and crown.

Indications

- Porcelain fused to metal crowns and bridges
- Cast crowns and bridges with resin facings
- Metal inlays, onlays, crowns and bridges
- Cast posts

Properties¹⁾

Working time (23°C)	2min 20sec
Hardening time ²⁾	4min
Compressive strength	150 MPa
Film Thickness	5 μ m
Fluoride release	yes
Radiopacity	112% aluminum ³⁾

Tensile Bond Strength

Enamel	Initial	12.0MPa
	After Thermal Cycling 10,000 times	9.8MPa
Dentin	Initial	8.7MPa
	After Thermal Cycling 10,000 times	6.4MPa
Ag-Pd-Cu-Au Alloy	Initial	18.0MPa
	After Thermal Cycling 10,000 times	15.8MPa

1) Tested by in-house R&D Tokuyama Dental Corp. on the condition of the mixing ratio of powder & liquid (2.8)

2) In consideration of clinical benefit, hardening time which means the time from seating to complete hardening intra-orally was calculated by using a following equation.
Hardening time = (Setting time measured by JIS T6607)-(Elapsed time between the start of mixing and the time when the assembly was placed into 37°C cabinet)

3) Approximately 80% of Enamel property



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Powder	20g
Liquid	6.4ml
Powder Measuring Scoop	1
Mixing Pad	1

Family Products; **M-BOND:** Self-etching Adhesive Resin Cement
BISTITE II DC: Self-etching & Dual-cured Adhesive Resin Cement
TOKUSO IONOMER: Glass Ionomer Luting Cement

*Limited availability of some products in certain areas. Contact your local dealer for availability.

Specifications are subject to change without obligation on the part of the Manufacturer

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