

ESTECEM II STRONG. FAST. CLEAN!

A CEMENT SYSTEM FOR ALL
YOUR RESTORATIVE NEEDS



ENHANCED STRENGTH

Superior self-etch adhesion to retentive and non-retentive surfaces



UNIVERSAL APPLICATION

All materials, one system - no activators or primers required



QUICK CLEAN-UP

3 second tack cure, easy clean-up



HIGH ESTHETICS

Outstanding resistance to marginal discoloration due to minimal water absorption

877.378.3548

EsteCemII.com

 **Tokuyama**



ESTECM II

EsteCem II offers the higher bond strength found in dual-cure (DC) resin cements allowing compatibility with all restorative materials. When used with Tokuyama Universal Bond, EsteCem II provides a quick application that is less technique sensitive comparable to self-adhesive (SA) resin cements

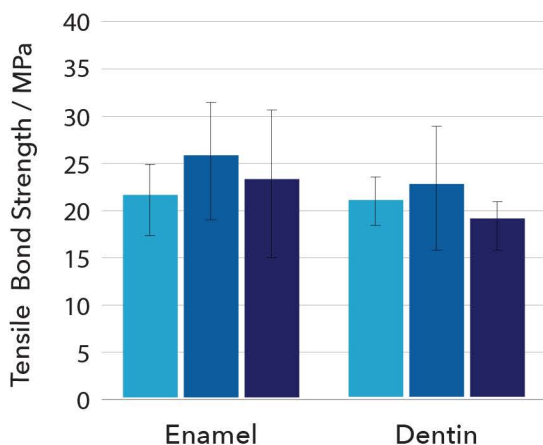
- ✓ *Cementation of retentive and non-retentive surfaces*
- ✓ *Cementation of crowns, bridges, inlays, and onlays made of glass/oxide ceramics (porcelain, zirconia and alumina), metals/alloys (precious and non-precious) and resin materials including inorganic filler (composite materials)*
- ✓ *Cementation of veneers*
- ✓ *Cementation of adhesion bridges*
- ✓ *Cementation of metal or resin cores, metal or glass-fiber posts*
- ✓ *Repair of fractured porcelain fused to metal crowns and all ceramic restorations*



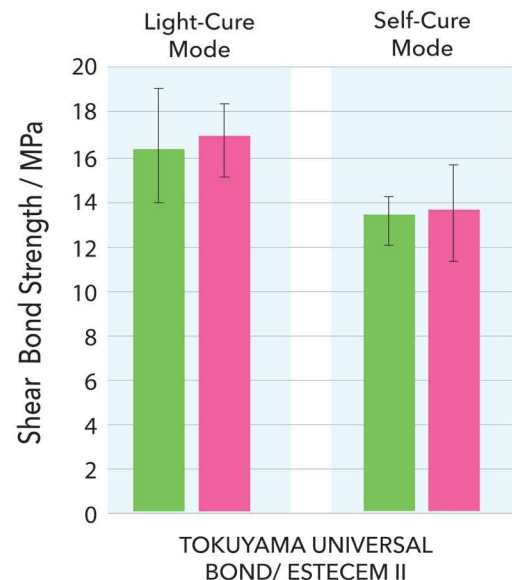
STRONG.

EsteCem II provides a strong adhesion that hydrofluoric etching the restorative or phosphoric etching the tooth are optional. The durability of self-etched cementation remains consistent through numerous thermocycles ensuring reliability for the clinician and patient over time. Nearly equal strength in light-cure and self-cure modes gives confidence to any clinicians that non-light permissible prosthetics will perform just as well. High strength in different etch and cure modes allows versatility for all cases

Self-Etch



- After 24 hrs
- After 3,000 thermo-cycles
- After 10,000 thermo-cycles

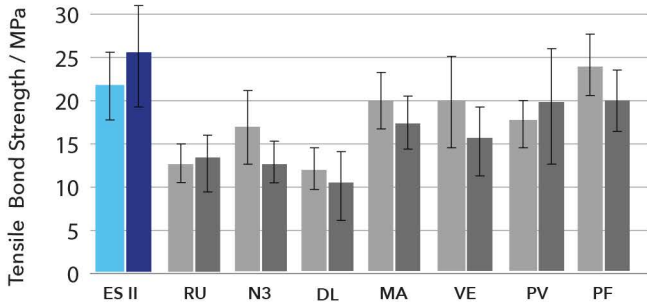


- Self-Etch
- Total-Etch

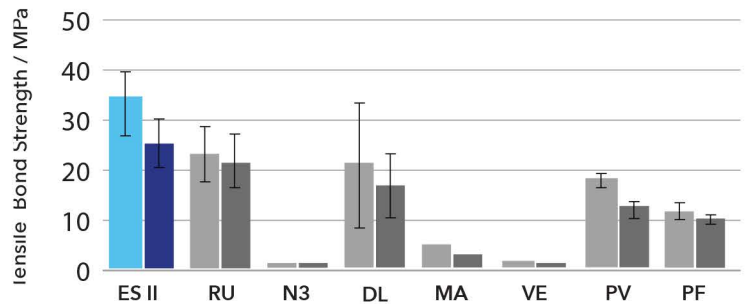
BOND STRENGTH VALUES

Tokuyama Universal Bond's 3D-SR monomer creates a three-dimensional cross-linking interface for enhanced multi-point bonding to all restorative materials

DENTIN

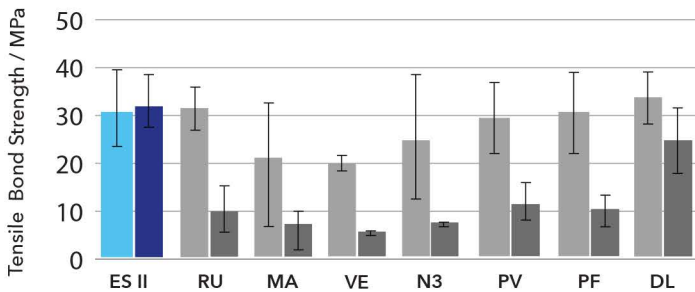


INDIRECT COMPOSITE

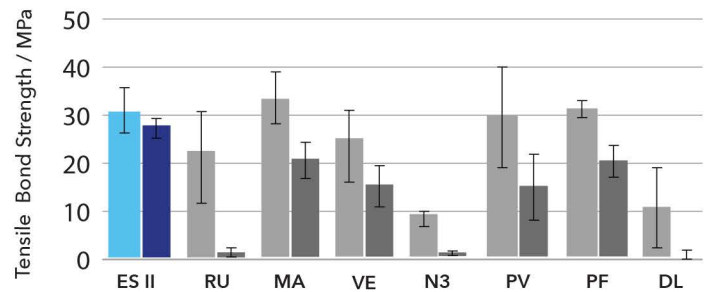


Superior bond strength is achieved to zirconia (ZirCAD, BruxZir), lithium-disilicate (eMax crowns), and various ceramics to not limit the doctors' selection of their preferred esthetic crowns, inlays and onlays

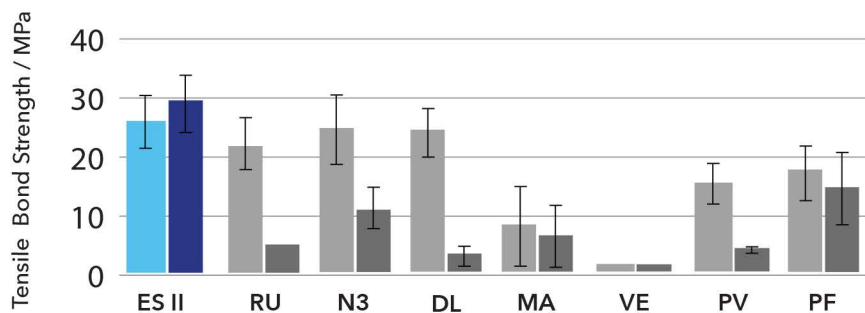
ZIRCONIA



CERAMICS



PRECIOUS METAL



● After 24 hrs ● After 3,000 thermo-cycles

ES II: ESTEC EM II
 RU: Rely X Ultimate
 N3: NX3

DL: Duo-Link
 MA: Multilink Automix
 VE: Variolink Esthetic DC

PV: Panavia V5
 PF: Panavia F 2.0



FAST.

Tokuyama Universal Bond is applied to the restorative and the tooth structure in a quick three-step application (mix, apply, air dry). The process/application can be completed in 25 seconds because there is no need to: light-cure, etch (optional), rub into surface, add silane, add metal primers, or add DC activators. Tokuyama Universal Bond enables EsteCem II's chair time to be comparable to SA cements in the market

PRE-TREATMENT

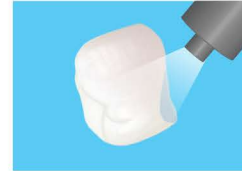
Pretreatment of Restorative



Mix Tokuyama Universal Bond



Apply



Weak air, Medium air

Pretreatment of Tooth



Mix Tokuyama Universal Bond



Apply



Weak air, Medium air

The air-dry step is the most critical:

1. Weak air to thin bonding agent to optimal film thickness, prevent splattering & pooling, and start evaporation of solvent
2. Ramp up to medium air to completely evaporate the solvent and complete polymerization

Visual indications: material should turn clear and should not move or appear wet

REDUCE INVENTORY AND SIMPLIFY YOUR BONDING ARMAMENTARIUM

Product	ESTECM II	Panavia V5	Panavia F2.0	RelyX Ultimate	NX3	DUO-LINK UNIVERSAL	Multilink Automix	Variolink Esthetic DC
Teeth		20sec	30sec		20sec 15sec	10~15sec	30sec	20sec
Precious metal					No treatment			
non-precious metal				20sec				
Ceramics						Note: Ceramics primer is needed for ceramics.	60sec	60sec
Indirect composite								
Zirconia								

Note: EsteCem II and Tokuyama Universal Bond require refrigeration



CLEAN!

Quick 3 second tack cure produces a gel state that can be peeled off for easy clean up



After application of Tokuyama Universal Bond to preparation and restorative, apply auto-mixed cement paste to the restorative and seat with firm pressure. Proceed to tack cure



Tack Cure

Light-Cure For Removal:

Light-cure excess cement paste with curing light for 2 to 4 seconds depending on intensity of curing light, see chart below

Self-Cure For Removal:

Remove the gel state within 1 to 3.5 minutes after seating



Final Cure

Translucent restorative materials:

Light-cure lingual and buccal margins for 20 seconds each

Non-translucent restorative materials:

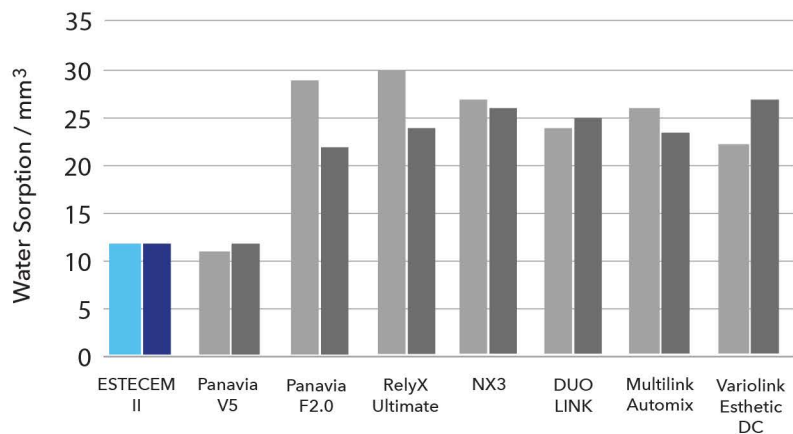
Light-cure lingual and buccal margins for 20 seconds each, have patient apply normal occlusal pressure for 8 minutes

	Light Intensity mW/cm ²	Irradiation time / sec.											
		1	2	3	4	5	6	7	8	9	10	11	12
Estecem II	800				○								
	1200		○										
Panavia V5	200												
	400												
	800												
Panavia F2.0	200												
	400												
	800												
RelyX Ultimate	200												
	400												
	800												
NX3	200												
	400												
	800												
Duo-Link	200												
	400												
	800												
Multilink Automix	200												
	400												
	800												
Variolink Esthetic DC	200												
	400												
	800												

□ Can be removed ○ Easiest to remove

PLACE YOUR ORDER TODAY!

Contact your preferred dealer, call 1.877.378.3548, or visit TokuyamaUniversalBond.com



Staining test with coffee

	ESTECER II	Panavia V5	Panavia F2.0	RelyX Ultimate	NX3	DUO-LINK	Multilink Automix
Shade	UNIVERSAL	UNIVERSAL	LIGHT	A1	YELLOW	UNIVERSAL	YELLOW
Before test							
After test							
ΔE	4.61	12.50	11.83	8.83	8.90	8.18	10.98



AVAILABLE PRODUCTS



Product #	Product Name	Product Information
16148	ESTECER® II KIT UNIVERSAL	Tokuyama Universal Bond® Kit & Estecem® II Universal Paste Refill, Paste A/B, 2.3 ml / 4.7 g each, 15 Cement Mixing Tip, 5 Mini Mixing Tip S, 5 Nozzle For Mini Mixing Tip
16158	ESTECER® II PASTE UNIVERSAL	Estecem® II Paste Refill, Paste A/B, 2.3 ml / 4.7 g each, UNIVERSAL
16168	ESTECER® II PASTE CLEAR	Estecem® II Paste Refill, Paste A/B, 2.3 ml / 4.7 g each, CLEAR
16178	ESTECER® II PASTE BROWN	Estecem® II Paste Refill, Paste A/B, 2.3 ml / 4.7 g each, BROWN
16188	ESTECER® II PASTE OPAQUE	Estecem® II Paste Refill, Paste A/B, 2.3 ml / 4.7 g each, WHITE OPAQUE
16193	Cement Mixing Tip	Cement Mixing Tip, 40
34655	NOZZLE	Nozzle for Mini Mixing Tip, (40)
34660	MINI MIXING TIP	Mini Mixing Tip S, 40

Tokuyama Dental America Inc.

740 Garden View Court, Suite 200, Encinitas, California 92024 | Toll Free: 1-877-378-3548

Fax: 1-760-942-7212 | Email: info@tokuyama-us.com | tokuyama-us.com