

Single Component Self-Etching Adhesive

# TOKUYAMA BOND FORCE

Pen,  Bottle,  Unit Dose 

*Enjoy Smart Bonding*

**CLICK!  
CLICK!**



**with BOND FORCE** *Pen*

Easy Click Dispensing

No More Waste

Minimum & Uniform Drop



# Smart Dispensing

with **BOND FORCE** Pen

## 1. No more waste, No more stress.

This Easy Click Dispensing always delivers **minimum** volume and **uniform** drops

\*2 or 3-clicks are required to dispense one drop.



Bonding Agent	<b>TOKUYAMA BOND FORCE</b>		G-aenial Bond* /GC	Easy Bond* /3M ESPE	Single Bond Plus* /3M ESPE
	<b>Pen</b>	<b>Bottle</b>	Bottle	Bottle	Bottle
mL or g / Bottle	<b>2mL</b>	<b>5mL</b>	5mL	5mL	6g
mg / 1drop**	<b>10.5mg</b>	<b>15.6mg</b>	18.7mg	31.2mg	24.6mg
Possible number of drops**	<b>190 drops</b>	<b>320 drops</b>	239 drops	145 drops	244 drops

## 2. Speedy Cap Opening/Closing

Only a 90° degree turn of the cap enables speedy cap-opening/closing.



## 3. Level Indicator

Remaining liquid can be monitored through the indicator.



# Smart Working Procedure

## 1. Simple 1-step procedure

BOND FORCE satisfies all Etching, Priming and Bonding procedures with 1- STEP. The quick and simple bonding system is particularly beneficial for pediatric patients

**Etching, Priming and Bonding in one application without mixing.**

## 2. Only 1- application required

BOND FORCE does NOT require additional applications.

**No Multiple Applications**

## 3. Plenty of working time

BOND FORCE remains stable for 5 minutes after dispensing without phase separation



**Smart Adhesion with patient friendly properties**

**1. Less Post-Operative Sensitivity**

In a self-etch system, etching and penetration of the bonding agent are processed at the same time; therefore, a gap (decalcified dentin without penetration of bonding agent) between the bonding layer and the dentin structure will not occur.

This is one key advantage of a self-etch system. With a self-etch system, strong adhesion and durability to dentin is ensured and the risk of post operative sensitivity is minimized.

**Post Operative Sensitivity Clinical Research in 24 months (2years) 22 cases monitored**

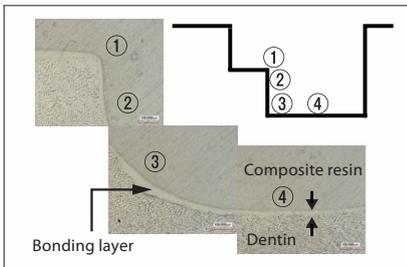
	Base line	6 months	12 months	24 months
Results	0% (0/22)	0% (0/22)	0% (0/22)	0% (0/22)

Source: Professor Jean-Pierre Attal, University of Paris V  
DENTAL MATERIALS 27 (2011) 304-312

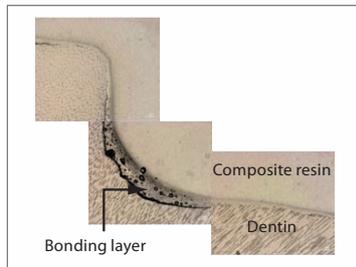
**2. Esthetic Marginal Adaptability**

The resin-impregnated layer of BOND FORCE remains thin even in the corner of the cavity, without sacrificing excellent adhesion to the dentin.

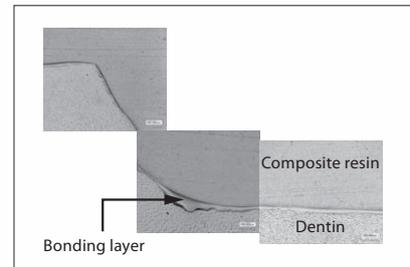
**Bonding Marginal Adaptability Laser Microscope Images\*\***



**BOND FORCE**



G-aeniel Bond\*

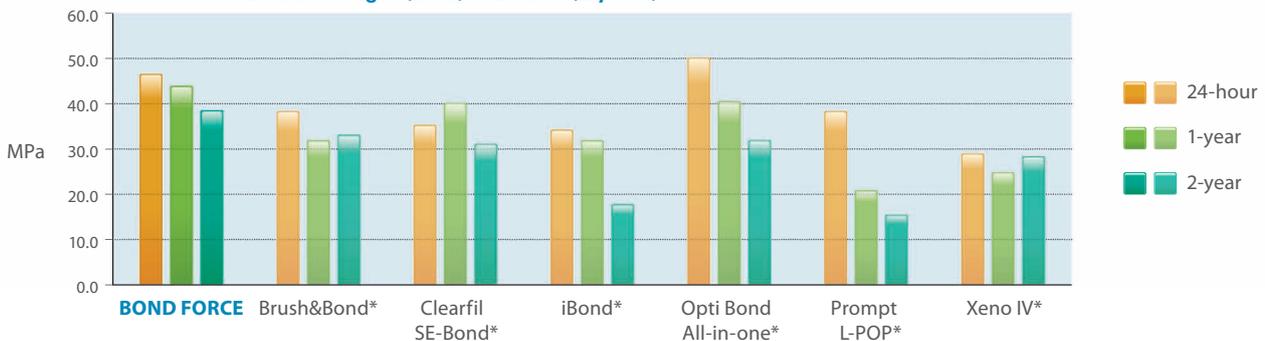


Easy Bond\*

**3. Assured Bond Strength (Strong and Durable)**

Source Dr. Rick Walter, Chapel Hill, North Carolina

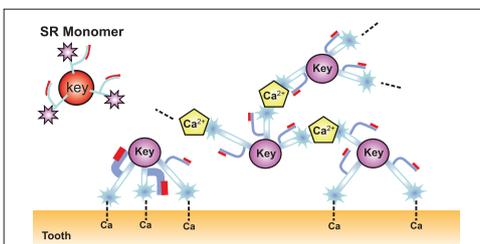
**Microtensile Bond Strength (MPa) to Dentin (2 years)**



**4. SR (Self-Reinforcing) Technology**

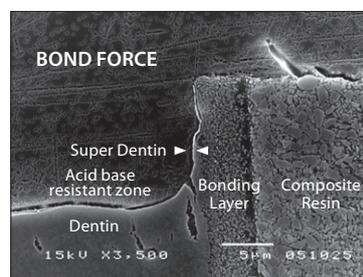
The SR monomers cross-link to apatite on the tooth surface and calcium ions coming from tooth structure, these links form a strong bonding layer when light cured.

**3D Self-Reinforcing Technology**



**5. Forming Super Dentin**

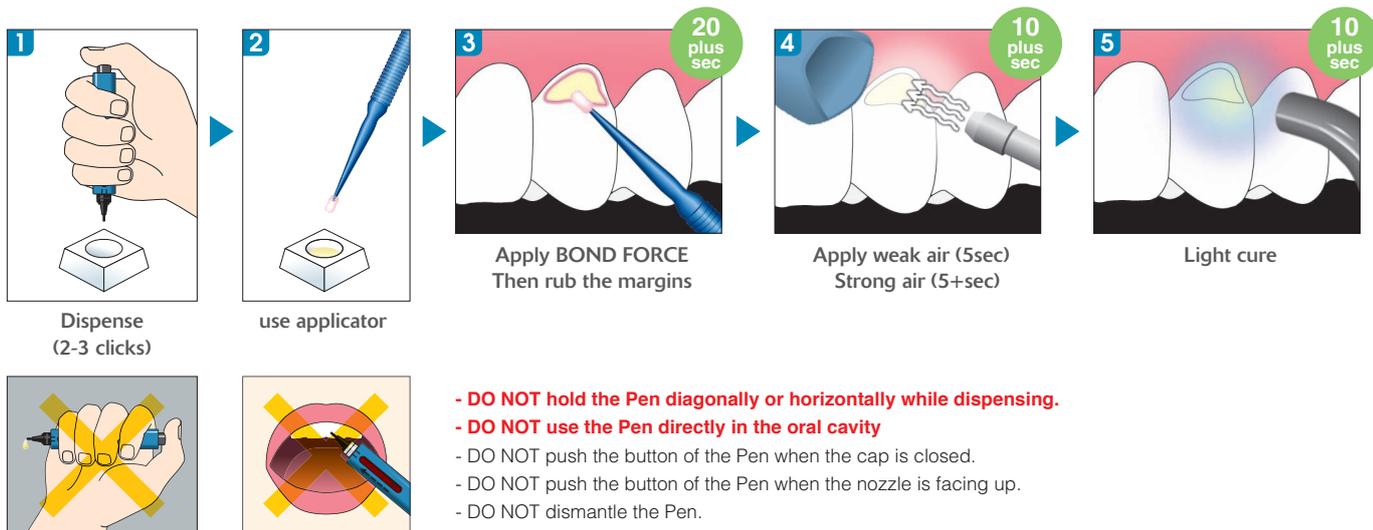
Fluoride releasing self etching adhesive modifies the adjacent dentin, resulting in the secondary caries prevention. Acid-base resistant zone (Super Dentin) is observed under the hybrid layer of BOND FORCE.



Nikaido, et al., Tokyo Medical and Dental University  
Jpn J Adhes Dent, 2007  
X3.500

\*Not a registered Trademark of Tokuyama Dental Corporation.  
\*\* In-house data, R&D, Tokuyama Dental Corporation.

## Simple Procedure



## Available Products



### TOKUYAMA BOND FORCE *Pen*

**Intro-Kit** Pen/2mL × 1  
Disposable Applicator (Superfine) × 25  
Dispensing Well × 1

**Twin-Pen** Pen/2mL × 2



### TOKUYAMA BOND FORCE *Bottle*

**Kit** Bottle/5mL × 1  
Disposable Applicator (Superfine) × 50  
Dispensing Well × 1

**Refill** Bottle/5mL × 1



### TOKUYAMA BOND FORCE *Unit Dose*

**Standard-Kit** Unit Dose/0.1mL × 50  
Disposable Applicator (Superfine) × 50

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

Manufactured by  
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