**GC Fuji ORTHO™ Bracket and Band Bonding Techniques**

**Light Cure Bracket Bonding Technique**
- Mix Fuji Ortho LC (or triturate in capsule), coat bracket and press firmly against moist tooth. Adjust position as needed. Place all brackets in quadrant or full arch.

**Self-Cure Bracket Bonding Technique**
- Prepare surface of bracket and board with Fuji Ortho. Place bracket and press firmly into position.

**Related Products**
- 001888 GC Fuji Ortho Band Paste Pak Refill
- 439450 Fuji ORTHO LC 50-Capsule Refill Package
- 000238 GC Capsule Applier II
- 435891 GC Capsule Applier III
- 473005 Epitex Refill

**Self-Cure Band Bonding**
- Trimming and Finishing Strips
- Alginate

**Fuji Ortho Band Paste Pak™ Capsule Starter Kit for Bracket Bonding**
- Contains: Two Fuji Ortho Band Paste Pak Cartridges, one Mixing Pad, one Paste Pak Dispenser and mixing spatula.

**Related Products**
- 001573 Paste Pak Dispenser
- 435095 Mixing Pads

**Superior Fluoride Release**
- Better for the Enamel
- Better for the Patient

**Antiglaze**

**GC Fuji ORTHO™ Bracket and Band Bonding**

**Superior Fluoride Release**
- Better for the Enamel
- Better for the Patient

**Advancing the Art and Science of Dentistry**
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http://www.gcamerica.com Lit. Code 643806-0602
Orthodontic Insurance

NEW!

GC Fuji ORTHO™ Bracket and Band Bonding

Better for the Enamel

Using Fuji ORTHO Adhesives is sort of the “ORTHODONTIC INSURANCE.” Knowing that you won’t damage the enamel or find severe decalcification at case completion should diminish any anxiety you may have prior to bonding.

Fuji ORTHO Self-Cure, Fuji ORTHO LC Light-Cure and NEW Fuji ORTHO BAND are better for the enamel, offer significant enamel retention, ease in bonding systems and greatly reduce chair time.

Now you can work faster and easier and get all the strength needed, with little chance of decalcification (white spots) and minimal damage of removing. Fuji Ortho, Fuji Ortho LC and MBD Fuji Ortho Band Paste Pak deliver benefits composite patients can’t claim. A continual fluoride release process renormalizes and helps maintain the soundness of the enamel. There’s no need to reacidograde the restored surfaces with ortho-phosphoric acid-etch — use Fuji ORTHO adhesives with either Fuji Ortho or Fuji Ortho LC as an etch all or at all.

Better for the Patient

Most importantly, Fuji Ortho Band and Band adhesives are a lot better for the patient because they minimize the need for extensive restoration due to decalcification and enamel damage.

High Success Rate. Clinically Proven.

Fuji Ortho adhesives are easy to use and have been clinically proven to significantly reduce chair time. Because they offer no color change, they can be used on any patient. Fuji Ortho LC and Band adhesives are easy to use, they will be the standard for fixing orthodontic brackets and bands and will be the support brackets, bands and wires for the dentist’s orthodontic instrument and remain easily cleaned after bonding and removed without causing any damage to the enamel or any orthodontic device.

Advanced glass ionomer technology bonds brackets and bands with strength to handle the most aggressive treatment and yet they are easy to remove at care completion. Fuji Ortho LC Light-Cure has been validated with over 3 years in the mouth and Fuji Ortho BAND Paste Pak is easy to mix — use hand instruments and have a shelf life of up to 6 months.

Continual Fluoride Release

After over 3 years of clinical trial, brackets and bands were decorated without decalcification. Fuji Ortho LC Light-Cure offers significant continual release of fluoride to the tooth and allows the release of fluoride to the tooth after band removal.

Advanced glass ionomer technology bonds brackets and bands with strength to handle the most aggressive treatment, yet they are easy to remove at care completion. Fuji Ortho LC Light-Cure has been validated with over 3 years in the mouth and Fuji Ortho BAND Paste Pak is easy to mix — use hand instruments and have a shelf life of up to 6 months.

NEW Fuji ORTHO BAND™ Paste Pak

The all new blue colored modified glass ionomer was specifically formulated for orthodontic bands. GC Ortho Light-Cure gives superior cohesiveness and includes water 4.7 grams consistent strength. It delivers consistent strength, no matter how little or how much is mixed. Simply add the dispensor’s mixing stick and squeeze out the exact amount of Fuji ORTHO Band you need with the exact mixing ratio for the required orthodontic applications.

Easy to Mix Paste-Paste Formulation

After dispensing the required amount of material, simply activate the materials together for 20-40 seconds. The perfect consistency. Easy to mix; no unnecessary mix. Simply apply to the inside of the band, the material stays where you place it, will not run.

Bond Bands with NEW Fuji ORTHO BAND

Perfect Bond for Bands

No Bonding Agent Needed

Fuji Ortho Band has an excellent bond to enamel (tooth structure) and metal; also bonds well to ceramic and composite materials. Fuji Ortho Band has an excellent bond to enamel (tooth structure) and metal; also bonds well to ceramic and composite materials. Fuji Ortho Band will release fluoride to the tooth for the duration of the orthodontic treatment and remove easily without damaging the enamel and without decalcification.

Easy to See; Cleans-Up Easily

Fuji Ortho Bands’ blue color is easy to distinguish. Excess can be cleaned away with a hand instrument and then rinsed away.

Simple De-Bond Will Not Damage Tooth

At care completion, desicate the tooth to simplify band removal. In most cases there will be no color change, no secondary caries and no white spot lesion.

NEW Fuji ORTHO LC Light-Cure Capsules

For even more convenience, Fuji ORTHO LC is available in premeasured capsules. Just depress the button to activate the capsule, triturate the capsule for 10 seconds and load it into the capless applicator and start bracket bonding.

Fuji ORTHO™ LC Light-Cured

A light-cured wire modified glass ionomer, Fuji Ortho-LC bonds to the teeth, orthodontic appliances and metal brackets to enamel and to porcelain and metal retainers. It is able to be placed in the presence of moisture with no need for ortho-phosphoric acid etching simplifies the bonding procedure.

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Fuji ORTHO™ Self-Cured

With Fuji Ortho Self-Cure you get approximately 3 minutes working time and can place working areas in as little as 15 to 30 seconds. A bottle for every need and application. Fuji Ortho Self-Cure can be used in orthodontic appliances where light-curing is not practical or where a self-cure technique would be preferred. Simplified application is quickly and accurately followed by Fuji Ortho adhesives.

Light-Cures in 20-40 Seconds

Applying Fuji Ortho LC to the back of the brackets, place the light-cure for an instant. Fuji Ortho LC Light-Cured in 20-40 seconds in orthodontic bands. Please note one quadrant at a time. Gloves are not required.

Fuji ORTHO™ Conditioner

Treatment of enamel with GC Fuji Ortho conditioner improves bond strength, but does not demineralize the enamel like a 37% ortho-phosphoric acid etch. Treatment of enamel with GC Fuji Ortho conditioner improves bond strength, but does not demineralize the enamel like a 37% ortho-phosphoric acid etch. The resulting enamel is healthier and is better for the enamel and better for the patient.

Case Shown Immediately After Debonding

Brackets Bonded with Fuji ORTHO LC or Fuji ORTHO Self-Cure

Case Shown Immediately After Debonding

Brackets Bonded with Fuji ORTHO LC or Fuji ORTHO Self-Cure

Perfect Bond for Bands

No Bonding Agent Needed

With Fuji ORTHO LC Light-Cure you can place working areas in as little as 15 to 30 seconds. A bottle for every need and application. Fuji Ortho Self-Cure can be used in orthodontic appliances where light-curing is not practical or where a self-cure technique would be preferred. Simplified application is quickly and accurately followed by Fuji Ortho adhesives.

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Fuji ORTHO Adhesives... THE BETTER CHOICE!
NEW!

Fuji ORTHO™ LC Light-Cured

A light-cured resin modified glass ionomer, Fuji Ortho-LC bonds the brackets, attachments and appliances retained and to provisions and metal retainers. Its ability to be placed in the presence of moisture with or used for orthodontic appliances and etching simplifies the bonding procedure.

For even more convenience, Fuji Ortho-LC is available in premeasured capsules. Just depress the button to activate the capsule, triturate the capsule for 10 seconds and load it into the capsule applicator and start bonding brackets.

NEW Fuji ORTHO Band Paste Pak

This all new blue-colored resin modified glass ionomer was specifically formulated for orthodontic bands. GC's exclusive Paste Pak Dispenser saves time and reduces waste. It delivers consistent mixes every time - no matter how little or large a mix required. Simply adjust the dispenser's metering slide and squeeze out the exact amount of Fuji Ortho Band you need with the exact mixing ratio for optimized physical properties.

Easy to Mix Paste-Paste Formulation

After dispensing the required amount of material, simply spatulate the two pastes together for 15-20 seconds. Mixes to a perfect consistency. Easy to recognize homogenous mix. Simply apply to the inside of the band - the material stays where you place it - will not run.

Bond Brackets with Fuji ORTHO LC

A light cured resin modified glass ionomer, Fuji Ortho-LC bonds the brackets, attachments and appliances retained and to provisions and metal retainers. Its ability to be placed in the presence of moisture with or used for orthodontic appliances and etching simplifies the bonding procedure.

For even more convenience, Fuji Ortho-LC is available in premeasured capsules. Just depress the button to activate the capsule, triturate the capsule for 10 seconds and load it into the capsule applicator and start bonding brackets.

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Bonds Brackets with NEW Fuji ORTHO BAND

Fuji Ortho Band has an excellent bond to enamel (tooth structure) and metal; also bonds well to ceramic and composite. Fuji Ortho Band flexes under stress to withstand impact forces. It’s extremely durable - will easily last for duration of treatment.

Most importantly, Fuji Ortho Bracket and Band adhesives are a lot better for the patient because they minimize the need for cosmetic restoration due to decalcification and enamel damage.

High Success Rate. Clinically Proven.

Fuji Ortho adhesives are easy to use and have been clinically proven to significantly reduce chair time. Because Fuji Ortho adhesives are easy to use, they will be less stressful to you as a dental professional. They will also support brackets, bands and wires for the duration of the orthodontic treatment and remain easily damaged when the time is right.

Advanced glass ionomer technology bonds brackets and bands with enough strength to even the most aggressive treatment, yet they are easy to remove a case completion. Ideal cleans up fast and trouble-free.

Continual Fluoride Release

After over 3 years of clinical trials, brackets and bands were tested without any deterioration. Fuji Ortho-Phosphoric Acid Conditioner improves bond strength, but does not etch enamel. Fuji Ortho LC Self-Cure does not etch enamel. The conditioners are mild and do not etch enamel. Fuji Ortho LC self-cures in 3-4 minutes and is ideal for use with Fuji Ortho Band.

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GET THE BETTER CHOOSE!

Orthodontic Insurance

GC Fuji ORTHO™ BRACKET AND BAND BONDING

Better for the Enamel

Using Fuji ORTHO Adhesives is sort of like “ORTHODONTIC INSURANCE.” Knowing that you won’t damage the tooth or find severe decalcification at case completion should certainly give you and your patient peace of mind.

Fuji ORTHO Self-Cured, Fuji ORTHO LC Light-Cure and NEW Fuji ORTHO BAND are better for the enamel, offer significant advantages over composite bonding systems and greatly reduce tooth sensitivity.

Now you can work faster and smarter and get all the strength needed, with little chance of decalcification (even spots), and minimal damage of de-bonding. Fuji Ortho, Fuji Ortho LC and NEW Fuji Ortho Band Paste Pak deliver benefits composite makers cannot match. A continuous fluoride release process reduces remineralization and helps maintain the smoothness of the enamel. There’s no need to re-etch the enamel with orthophosphoric acid etchant—use Fuji Ortho adhesives with either Fuji Ortho Conditioner or start with it.

For even more convenience, Fuji Ortho LC is available in premeasured capsules. Just depress the button to activate the capsule, triturate the capsule for 10 seconds and load it into the capsule applicator and start bonding brackets.

This all new blue-colored resin modified glass ionomer was specifically formulated for orthodontic bands. GC’s exclusive Paste Pak Dispenser saves time and reduces waste. It delivers consistent mixes every time—no matter how little or large a mix required. Simply adjust the dispenser’s metering slide and squeeze out the exact amount of Fuji Ortho Band you need with the exact mixing ratio for optimized physical properties.

Easy to Mix Paste-Paste Formulation

After dispensing the required amount of material, simply spatulate the two pastes together for 15-20 seconds. Mixes to a perfect consistency. Easy to recognize homogenous mix. Simply apply to the inside of the band—the material stays where you place it—will not run.

Better for the Patient

Most importantly, Fuji Ortho Bracket and Band adhesives are a lot better for the patient because they minimize the need for cosmetic restoration due to decalcification and enamel damage.

Health Enamel

Treatment of enamel with GC Fuji Ortho conditioner improves bond strength, but does not demineralize enamel like a 37% ortho-phosphoric acid etch.

High Success Rate. Clinically Proven.

Fuji Ortho adhesives are easy to use and have been clinically proven to significantly reduce chair time. Because of the self-cure properties, they will be used even in cases with minimal space in the mouth. Fuji Ortho Self-Cure is a perfect choice for patients who are in a hurry and want a self-cure adhesive.

Continual Fluoride Release

With over 3 years of clinical data, brackets and bands were decorated without decalcification. Fuji Ortho adhesives release significant amounts of fluoride for 1-2 hours, which helps to prevent decalcification and maintain a healthy enamel.

Bond Brackets with Fuji ORTHO LC or Fuji ORTHO Self-Care

Fuji ORTHO Adhesives...

THE BETTER CHOICE!
Bracket and Band Bonding Techniques

Self-Cured Bracket Bonding

- Clean tooth surface with pumice and water using a prophy cup or brush. Rinse thoroughly.
- Prepare to bond brackets by cleaning brackets and tooth surfaces thoroughly, using pumice for 20-30 seconds if necessary.
- Apply GC Ortho Conditioner to the moist tooth surface for 10-20 seconds, rinse thoroughly.
- Place all brackets in quadrant or full arch.
- After allowing Fuji Ortho to self-cure for 5 1/2 to 7 minutes, leveling wires can be placed.

Light-Cured Bracket Bonding

- Mix Fuji Ortho LC (or triturate in capsule), coat bracket and press firmly against the moist tooth. Adjust position as needed.
- Place all brackets in quadrant or full arch.
- Light-cure each bracket for 20-40 seconds with a standard VLC curing light.
- After allowing Fuji Ortho to self-cure for 5 1/2 to 7 minutes, leveling wires can be placed.

Related Products

- Fuji Ortho LC Powder-Liquid Standard Package
  - Contains: One 40g powder, two 6.8ml bottles of liquid, mixing pad and scoop.
- Fuji Ortho LC Powder-liquid Starter Kit for Bracket Bonding
  - Contains: Introductory package (15g powder and 6.8ml liquid) of Light-cured Fuji Ortho LC Resin Reinforced Glass Ionomer Bracket Bonding Cement, 25g Bottle of GC ORTHO Conditioner, mixing pad and scoop.
- Fuji Ortho Band Paste Pak
  - Contains: Two Fuji Ortho Band Paste Pak Cartridges, one Mixing Pad, one Paste Pak Dispenser and mixing spatula.

Appliance and Other Bonding

- Clean teeth. roughen or microetch acrylic surface and place retention holes. Apply Fuji Ortho to inside of appliance (penetrate holes).
- Place appliance and remove excess Fuji Ortho. Self-cure for 7 minutes. Do not activate appliance for 24 hours.

Preparation with Porcelain Brackets

- Prepare porcelain bracket by treating with silane. Apply mixed Fuji Ortho to the back of the bracket. Place bracket and press firmly into position.
- After allowing Fuji Ortho to self-cure for 5-1/2 to 7 minutes, leveling wires can be placed.

Fishing and Polishing Strips

- Trimming and Finishing Strips
  - Fuji Ortho Band Paste Pak
    - Contains: One 15g powder, one 6.8ml bottle of liquid, mixing pad and scoop.
  - Fuji Ortho LC Powder-Liquid Standard Package
    - Contains: One 40g powder, two 6.8ml bottles of liquid, mixing pad and scoop.
  - Fuji Ortho LC Powder-Liquid Starter Kit for Bracket Bonding
    - Contains: Introductory package (15g powder and 6.8ml liquid) of Light-cured Fuji Ortho LC Resin Reinforced Glass Ionomer Bracket Bonding Cement, 25g Bottle of GC ORTHO Conditioner, mixing pad and scoop.
  - Fuji Ortho LC Powder-liquid Starter Kit for Bracket Bonding
    - Contains: Introductory package (15g powder and 6.8ml liquid) of Light-cured Fuji Ortho LC Resin Reinforced Glass Ionomer Bracket Bonding Cement, 25g Bottle of GC ORTHO Conditioner, mixing pad and scoop.
  - Fuji Ortho LC Powder-liquid Starter Kit for Bracket Bonding
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  - Fuji Ortho LC Powder-liquid Starter Kit for Bracket Bonding
    - Contains: Introductory package (15g powder and 6.8ml liquid) of Light-cured Fuji Ortho LC Resin Reinforced Glass Ionomer Bracket Bonding Cement, 25g Bottle of GC ORTHO Conditioner, mixing pad and scoop.
Bracket and Band Bonding Techniques

**Light-Cure Each Bracket for 20-40 Seconds with Standard VLC Curing Light.**

**Self-Cured and Light-Cured Glass Ionomer Orthodontic Bracket Adhesive**

**Light-Cured Bracket Bonding**

**Bracket and Band Bonding No Etch Technique**

- Mix Fuji Ortho LC (or triturate in capsule), coat bracket and press firmly against moist tooth. Adjust position as needed. Place all brackets in quadrant or full arch.

- Clean tooth surface with pumice and water using prophy cup or brush. Rinse thoroughly.

**Light-Cured Bracket Bonding**

- Mix Fuji Ortho LC (or triturate in capsule), coat bracket and press firmly against moist tooth. Adjust position as needed. Place all brackets in quadrant or full arch.

**Etch Technique**

- Clean tooth surface with pumice and water using prophy cup or brush. Rinse thoroughly.

- Light-cure each bracket for 20-40 seconds with standard VLC curing light. Light tension leveling wires can be placed immediately after curing.

**Related Products**

- 000028 Fuji Ortho LC Powder-Liquid Standard Package

**Bracket and Band Bonding**

**Appliance and Other Techniques**

- Place band on moist tooth, press firmly and quickly remove excess material.

- Bands can also be bonded with Fuji Ortho or Ortho LC.

**Alginate**

- 120001 COE Alginate
- 120005 COE Alginate
- 121101 COE Alginate

**Related Products**

- 120001 COE Alginate
- 120005 COE Alginate
- 121101 COE Alginate


- 5 Based on continued research and evaluation by Silverman, Cohen and Silverman.