

GC Fuji™ BOND LC
LIGHT-CURED REINFORCED GLASS IONOMER DENTIN/ENAMEL BONDING AGENT

For use only by a dental professional in the recommended indications.

- RECOMMENDED INDICATIONS**
- For direct bonding of composite resin to dentin and enamel.
 - For direct bonding of composite resin to dentin and enamel in the co-cured technique.
 - For direct bonding of composite resin to GC Fuji II LC base and enamel in the "sandwich" technique.
 - For sealing of hypersensitive cervical areas and root surfaces of teeth.

- CONTRAINDICATIONS**
- Direct pulp capping.
 - Avoid use of this product in patients with known allergies to glass ionomer cement, methacrylic monomer or methacrylate polymer.

DIRECTIONS FOR USE

A.C GC Fuji BOND LC FOR SHALLOW CAVITIES CLASS I, II, III, IV, V

1. Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

4. **MIXING**
Place the specified amounts of liquid and powder into a disposable dish. Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

5. **APPLICATION OF GC Fuji BOND LC**
Apply GC Fuji BOND LC in a thin layer to the conditioned enamel and dentin surfaces using a disposable brush. Light cure for 20 seconds with a visible light curing device (470nm wavelength).

6. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

7. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

B. GC Fuji BOND LC CO-CURED TECHNIQUE FOR SHALLOW CAVITIES CLASS I, II, III, IV, V

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress of the restoration.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

4. **MIXING**
Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

5. **APPLICATION OF GC Fuji BOND LC AND COMPOSITE RESIN**
Apply GC Fuji BOND LC in a thin layer to the conditioned enamel and dentin surfaces using a disposable brush. Immediately place an increment of composite resin to the center of the preparation and contour it towards the margins with a ball burrisher or similar instrument. Light cure the material together for a minimum of 20 seconds. Check manufacturer's instructions for multi surface restorations.

6. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

C. GC Fuji BOND LC AND GC Fuji II LC "SANDWICH" TECHNIQUE FOR DEEP CAVITIES CLASS I, II, III, IV, V

In deep cavities, placing a base or a dentin substitute between the floor of the cavity and the composite resin is recommended. This will reduce the amount of composite resin to be used and also reduce the total shrinkage. An ideal substitute would be a material with a e.g. chemical adhesion and biocompatibility. If the sandwich or lamination technique is to be used, then GC Fuji II LC is the material of choice as the dentin substitute.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
Place the specified amounts of liquid and powder into a disposable dish. Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

6. **APPLICATION OF GC Fuji BOND LC**
Apply GC Fuji BOND LC over the previously conditioned enamel surface, cavity walls and the base material GC Fuji II LC using a disposable brush. Light cure for 20 seconds with the visible light curing unit.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

D. GC Fuji BOND LC AND GC Fuji II LC "SANDWICH" TECHNIQUE FOR DEEP CAVITIES CLASS I, II, III, IV, V

In deep cavities, placing a base or a dentin substitute between the floor of the cavity and the composite resin is recommended. This will reduce the amount of composite resin to be used and also reduce the total shrinkage. An ideal substitute would be a material with a e.g. chemical adhesion and biocompatibility. If the sandwich or lamination technique is to be used, then GC Fuji II LC is the material of choice as the dentin substitute.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
Place the specified amounts of liquid and powder into a disposable dish. Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

6. **APPLICATION OF GC Fuji BOND LC**
Apply GC Fuji BOND LC over the previously conditioned enamel surface, cavity walls and the base material GC Fuji II LC using a disposable brush. Light cure for 20 seconds with the visible light curing unit.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

E. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
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Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
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F. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
Place the specified amounts of liquid and powder into a disposable dish. Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

6. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

G. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
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6. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

H. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
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5. **MIXING**
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6. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

I. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
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6. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

J. GC Fuji BOND LC AND GC Fuji II LC CO-CURED SANDWICH TECHNIQUE

There may be potential benefits in placing a composite resin into uncured GC Fuji BOND LC and simultaneously curing the two materials. In this technique the composite resin cures before GC Fuji BOND LC and polymerization inhibition will reduce the amount of composite resin prior to setting of GC Fuji BOND LC significantly reducing the internal stress in the final composite veneer.

1. **CAVITY PREPARATION**
Isolate tooth with rubber dam. Remove decay with rotary instruments. Form cavity in the usual manner.

2. **CAVITY CONDITIONING AND DRYING**
Using a cotton pellet, apply CAVITY CONDITIONER for 10 seconds over all dentin and enamel surfaces that will have restorative material applied. Wash, then dry but do not desiccate.

3. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

4. **POWDER AND LIQUID DISPENSING**
The standard powder / liquid ratio is 0.7 / 1.0 g. This consistency can be obtained with one level spoonful of powder and two drops of liquid. Liquid should be first dispensed for easy mixing.

5. **MIXING**
Place the specified amounts of liquid and powder into a disposable dish. Mix for 10 seconds with a disposable brush. Working time is 2 minutes 30 seconds from the start of mixing at 23°C (73°F). Higher temperatures will shorten working time.

6. **APPLICATION OF GC Fuji BOND LC AND GC Fuji II LC AS BASE MATERIAL**
Place GC Fuji II LC into the cavity incrementally and light cure each increment using a light curing unit (470nm wavelength). Build to within 2 mm of the occlusal, buccal or labial surface. Light cure for 20 seconds in each direction.

7. **BUILD COMPOSITE RESIN**
Place the light cured composite resin of choice (GRADIA DIRECT or equivalent) into the cavity in the usual manner (according to manufacturer's instructions) and light cure for the appropriate period of time.

8. **FINAL CONTOURING AND POLISHING**
Perform adjustments and polishing with superfine diamond points. Interproximal surfaces may be finished with NEW METAL STRIPS or EPITEX. An even greater luster can be obtained using a superfine silicone point with water.

Note:
If completing restorations without rubber dam, it is recommended to place a thin layer of GC Fuji COAT LC or GC Fuji VARNISH over the margins after finishing.

GC Fuji™ BOND LC
LICHTHÄRTENDER, VERSTÄRKTER GLASS IONOMER DENTIN/SCHMELZ ADHESION-HAF VERMITTLER

Nur von zahnärztlichem Fachpersonal für die empfohlenen Anwendungsbereiche zu verwenden.

- ANWENDUNGSBEREICHE**
- Für die direkte Haftung von Composite zu Dentin und Schmelz.
 - Für die direkte Haftung von Composite zu Dentin und Schmelz in der co-curing Technik.
 - Für die direkte Haftung von Composite zu GC Fuji II LC -Unterfüllung und Schmelz in der "Sandwich"-Technik.
 - Zum Versiegeln von hypersensitiven zervikalen Bereichen und Wurzeloberflächen.

- WURZELBELEGUNG**
- Direkte Zahnabklebung.
 - Vermeiden Sie die Verwendung dieses Produkts bei Patienten mit bekannten Allergien gegen Glasionomer-Zementen, 2-Ethylhexan-Dimethacryl-Monomere oder Methacrylat-Polymer.

VERARBEITUNGSANLEITUNG

A. GC Fuji BOND LC FÜR FLACHE KAVITÄTEN DER KLASSE I, II, III, IV, V

1. **PRÄPARATION DER KAVITÄT**
Kofferdam legen. Karioses Dentin mit rotierendem Instrument entfernen. Kavität wie gewohnt ausarbeiten.

2. **KONDITIONIEREN UND TROCKNEN DER KAVITÄT**
Mit dem Baumwoll-Pellet wird CAVITY CONDITIONER für 10s über die vorbereiteten Schmelz- und Dentinflächen aufgetragen. Mit der Handlampe (470nm Wellenlänge) für 20s licht härten.

3. **DOSIEREN VON PULVER UND FLÜSSIGKEIT**
Das Standardverhältnis von Pulver und Flüssigkeit beträgt 0,7 g/1,0 g. Diese Konsistenz erhält man mit einem gestrichenen Meßlöffel Pulver und zwei Tropfen Flüssigkeit. Für leichtes Anmischen, zuerst die Flüssigkeit austreten lassen.

4. **ANMISCHEN**
Die erforderlichen Mengen Flüssigkeit und Pulver in den Mischbecher geben und 10s mit dem Pinsel mischen. Die Verarbeitungszeit beträgt 2 Minuten 30 Sekunden bei 23°C (73°F) ab Mischbeginn. Höhere Temperaturen verkürzen die Arbeitszeit.

5. **APPLIZIEREN VON GC Fuji BOND LC**
Mit dem Einwegpinsel, GC Fuji BOND LC in einer dünnen Schicht auf die vorbereiteten Schmelz- und Dentinflächen auftragen. Mit der Handlampe (470nm Wellenlänge) für 20s licht härten.

6. **COMPOSITE-FÜLLUNG LEGEN**
Das ausgewählte, lichthärtende Composite in gewohnter Weise nach Angaben des Herstellers in die Kavität platzieren und nach Vorschrift licht härten.

7. **FORMGEBUNG UND POLIEREN**
Formkorrektur und Polieren mit einem extrafinen Diamantschleifer durchführen. Interproximale Flächen können mit NEW METAL STRIPS oder EPITEX Feinstreifen finiert werden. Einen noch größeren Abtrag erreicht man mit extrafinen Silikonpolieren und Wasser.

HINWEIS:
Wird die Restauration nicht unter Kofferdam eingesetzt, empfiehlt es sich, den Rand mit GC Fuji COAT LC oder GC Fuji VARNISH dünn abzudecken.

B. GC Fuji BOND LC "CO-CURED" TECHNIK FÜR FLACHE KAVITÄTEN DER KLASSE I, II, III, IV, V

Es besteht die Möglichkeit, ein Komposit in noch nicht ausgehärtetes GC Fuji BOND LC zu applizieren und beide Materialien zusammen licht härten. In dieser Technik härtet das Composite vor GC Fuji BOND LC aus, sobald die Polymerisation der Composite vor der Aushärtung von GC Fuji BOND LC erfolgt. Interne Spannungen in der Restauration werden hierdurch entschärft verringert.

1. **PRÄPARATION DER KAVITÄT**
Kofferdam legen. Karioses Dentin mit rotierendem Instrument entfernen. Kavität wie gewohnt ausarbeiten.

2. **KONDITIONIEREN UND TROCKNEN DER KAVITÄT**
Mit dem Baumwoll-Pellet wird CAVITY CONDITIONER für 10s über die vorbereiteten Schmelz- und Dentinflächen aufgetragen. Mit der Handlampe (470nm Wellenlänge) für 20s licht härten.

3. **DOSIEREN VON PULVER UND FLÜSSIGKEIT**
Das Standardverhältnis von Pulver und Flüssigkeit beträgt 0,7 g/1,0 g. Diese Konsistenz erhält man mit einem gestrichenen Meßlöffel Pulver und zwei Tropfen Flüssigkeit. Für leichtes Anmischen, zuerst die Flüssigkeit austreten lassen.

4. **ANMISCHEN**
Die erforderlichen Mengen Flüssigkeit und Pulver in den Mischbecher geben und 10s mit dem Pinsel mischen. Die Verarbeitungszeit beträgt 2 Minuten 30 Sekunden bei 23°C (73°F) ab Mischbeginn. Höhere Temperaturen verkürzen die Arbeitszeit.

5. **APPLIZIEREN VON GC Fuji BOND LC UND COMPOSITE**
GC Fuji BOND LC mit dem Pinsel in einer dünnen Schicht auf die konditionierten Schmelz / Dentin-Flächen applizieren. Unverzüglich die benötigte Menge Composite in die Mitte der Präparation platzieren und zum Rändern hin mit einem geeigneten Instrument kontinuierlich beide Materialien zusammen für mindestens 20s licht härten. Die Angaben des Herstellers beachten.

6. **FORMGEBUNG UND POLIEREN**
Formkorrektur und Polieren mit einem extrafinen Diamantschleifer durchführen. Interproximale Flächen können mit NEW METAL STRIPS oder EPITEX Feinstreifen finiert werden. Einen noch größeren Abtrag erreicht man mit extrafinen Silikonpolieren und Wasser.

HINWEIS:
Wird die Restauration nicht unter Kofferdam eingesetzt, empfiehlt es sich, den Rand mit GC Fuji COAT LC oder GC Fuji VARNISH dünn abzudecken.

C. GC Fuji BOND LC UND GC Fuji II LC "SANDWICH"-TECHNIK FÜR TIEFE KAVITÄTEN DER KLASSE I, II, III, IV, V

In tiefen Kavitäten ist es empfehlenswert, zwischen dem Boden der Kavität und dem Composite ein Zementfüllung zu legen. Hierdurch verringert sich das Volumen des Composites und damit die Gesamtschrumpfung der Restauration. Ein ideales Füllmaterial ist z.B. chemische Haftung und Biokompatibilität. Bei Anwendung der Sandwich- oder Laminiermethode ist GC Fuji II

