

# Auxiliaries



## Cheek Retractors

For treatment with teeth in open or closed bite. Self-retaining. Can be cold sterilized. Excellent for photography.

- Adult Cheek Retractors (2 per pack) • 300-020
- Teen Cheek Retractors (2 per pack) • 300-022
- Pedo Cheek Retractors (2 per pack) • 300-021
- Assortment Pack (one of each size) • 300-023



## Adjustable Cheek Retractors

Unique bow design allows adjustment to ensure comfortable fit. Can withstand temperatures up to 450°F. Fully sterilizable.

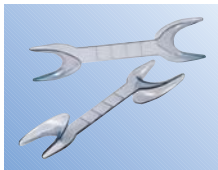
- 300-015



## Lip Retractors

Transparent plastic lip retractors have long handles so they can be held easily. Excellent for photography. Rounded edges. Can be cold sterilized. (2 per pack)

- Standard Lip Retractors • 300-025
- Mini Lip Retractors • 300-026



## Double End Lip Retractors

Features both a pedo and teen/adult size. Comfortable and easy to hold, yet allows an excellent field of vision for treatment and photographs. Can withstand temperatures of 370° F. Amber tint identifies it as an autoclavable plastic instrument. (2 per pack) • 300-027



## Photo Lip Retractor

One-piece clear plastic retractor has both an anatomical small and large end. Either end is used to push the front lip out of the way to easily photograph the mouth. Cold sterilization only.

- 300-028



## Combo Cheek Expander

Perform two tasks at once; expand the cheeks while simultaneously depressing the tongue for unrestricted access to the whole mouth. Can withstand temperatures of 370°F. Amber tint identifies it as an autoclavable plastic instrument.

- Small • 300-016
- Medium • 300-017
- Large • 300-018



## Tongue Shield – Latex Free

Combination of two bite blocks and a vertical shield. The shield prevents the tongue from touching the lingual surface of the anterior teeth. Center hole allows for insertion of saliva ejector. Excellent during bonding procedures. Can be cold sterilized. Pink.

(3 per pack)

- Adult/Teen • 300-030
- Child/Pedo • 300-031



## Disposable Tongue Block

Available in two sizes to accommodate pedo or teen/adults. These strawberry scented tongue blocks keep the mouth open, with the jaw muscles in a relaxed state while keeping the tongue away from the bonding area.

Designed with comfort and convenience in mind, these blocks are soft enough to trim with scissors if needed and feature openings to accommodate the Saliva Ejector (optional) and it's companion Adapter Tube (optional). (see section below for optional part numbers)

- Small (20 per pack) • 300-032
- Medium (20 per pack) • 300-033



## Disposable Saliva Ejector and Adapter Tube Attachments for Disposable Tongue Block

The Saliva Ejector is a perforated tube that's used to suction saliva from the patient's mouth. Constructed of medical grade vinyl tubing, it features a soft metal insert that enables the practitioner to shape it to best fit the individual patient. The companion Adapter Tube links the Saliva Ejector to the practitioner's vacuum system by a quick connect tip which speeds device changes. (3 per pack)

- Saliva Ejector • 300-034A
- Adapter Tube • 300-034B

# Adhesives



## Fuji-Ortho™ LC (Light-Cure) Bonding Adhesives with Fluoride

This light-cured resin modified glass ionomer adhesive is suited for all bonding procedures. Placement in a moist field simplifies application and bonding. Light cures in as little as 40 seconds. Releases fluoride to help prevent decalcification. Pre-capsulation produces ideal bonding consistency in every mix. Bonding procedures can be performed even more easily and efficiently.

### Intro LC Kit • 480-101 (starts approx. 14 cases)

Kit includes: 15 grams powder, 8 grams liquid, 1 mixing pad, 1 measuring spoon.

### Standard LC Kit • 480-102 (starts approx. 34 cases)

Kit includes: 40 grams of powder, 16 grams liquid, 1 mixing pad, 1 measuring spoon.

### Intro and Standard LC Components

Conditioner (25 grams)	• 480-108
Powder (40 grams)	• 480-106
Liquid (8 grams)	• 480-107



### LC CAPSULES Starter Kit • 480-133

(starts approx. 25 cases)

Pre-capsulation produces ideal bonding consistency in every mix. Kit includes: 50 premeasured and sealed capsules (that can be activated in an amalgamator), 1 plier syringe and 1 bottle of conditioner.

### LC Capsule Components

Capsules Refill Packages • 480-131
(50 capsules/starts approx. 25 cases)



## Fuji-Ortho™ SC (Self-Cure) Bonding Adhesives with Fluoride

• Bond in Moist Field

This self-cured resin modified glass ionomer adhesive is ideally suited for bonding brackets. Placement in a moist field simplifies application and bonding procedures. Fluoride release helps prevent against decalcification and decay. Can be used with an etch or non-etch technique. As a self-curing adhesive, it is particularly useful in bonding situations in which light curing is neither possible nor desired.

### Standard SC Kit • 480-121 (starts approx. 34 cases)

Kit includes: 1 bottle powder-40 grams, 2 bottles liquid-8 grams (6.8ml), scoop, mixing stick and mixing pad.

### SC Components

Powder (40 grams)	• 480-126
Liquid (8 grams)	• 480-127
Conditioner (25 grams)	• 480-108



## Illuminate™ Light-Cure Adhesive with Fluoride

Adhesive sets when exposed to curing light, allowing precise placement. Uses less adhesive. Easy clean up prior to curing. Metal brackets cure in 20 to 30 seconds each. Esthetic brackets cure in 10 to 15 seconds each. No refrigeration required.

### ILLUMINATE™ LC ADHESIVE Kit • 471-050

Kit contains the components shown at the right which can be ordered individually by catalog number.

### LC Components

Paste Compules (14 grams)	• 471-051
Enamel Bonding Agent (7 ml)	• 471-052
Etching Agent Gel (7 ml)	• 480-004
Brush Holders (2), Brush Tips (100)	• 471-008

### MINI ILLUMINATE™ Kit • 471-053

Kit contains: 1 syringe (5 grams), 1 bottle of primer (3 ml), 1 bottle of etch (7 ml), brushes and mixing pad.

### Mini Reorder

2 Syringes (10 grams)	• 471-054
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# Adhesives (continued)



## Advantage™ No-Mix Direct Bond Adhesive

One-paste system sets on contact with consistent mixing procedures and minimal waste. Reduces bracket flotation and facilitates more precise bracket placement. No refrigeration required.

### ADVANTAGE™ Kit (COMPULES) • 480-000

Kit contains: Advantage paste in pre-loaded compules (14 grams), bottle of primer (12 ml), bottle of etching agent (7 ml), 50 disposable brushes and 6 pads.

### ADVANTAGE™ Kit (JAR) • 480-001

Kit contains: Advantage paste in jar (14 grams), bottle of primer (12ml), bottle of etching agent (7ml), 50 disposable brushes and 6 pads.



### Advantage™ Components

Paste Compules (40 tips/14 grams)	• 480-005	Primer (12 ml)	• 480-002
Paste Jar (1 jar/14 grams)	• 480-003	Etch (7 ml)	• 480-004
Brushes (50)	• 480-007	Pads (6)	• 480-006

### MINI ADVANTAGE™ Kit (JAR) • 480-020

Kit contains: 5 gm adhesive paste, 6 ml primer, 7 ml etchant, brush tip holder, 25 brush tips, 25 spatulas and mixing pad.



## Advantage™ Kit (4 Syringes)

This new kit offers the same Advantage Paste in preloaded full syringes rather than separate syringe tips. Provides the practitioner with an easier, more economical way to utilize the Advantage System.

### Advantage™ Kit (4 syringes) • 480-000S

Kit contains: 4 syringes (14 grams), 1 bottle of primer (12 ml), 1 bottle of etch (7 ml), and 50 brushes.

### Advantage™ Reorder

2 Syringes (7 grams) • 480-000SP



## Maximal™ Paste/Paste Bonding Adhesive with Fluoride!

Maximal™ is a paste/paste self-polymerizing bonding adhesive that is ideal for both direct and indirect bonding procedures. Setting time can be adjusted by varying the amount of catalyst paste. The paste/paste adhesive chemically locks to the liquid resin assuring a strong bond. Archwires may be placed five minutes after last bond has set.

### MAXIMAL™ Kit • 471-000

Kit contains: 18 grams catalyst paste A, 18 grams base paste B, 7 grams catalyst resin A, 7 grams base resin B, 10 mixing wells, 100 spatulas, 2 brush holders & 100 tips and 7 ml gel etch.

### Maximal™ Components

Catalyst Paste "A" (18 grams)	• 471-002	Mixing Wells (10)	• 471-006
Base Paste "B" (18 grams)	• 471-003	Spatulas (100)	• 471-007
Catalyst Resin "A" (7 gram)	• 471-004	Brush Holders (2) & Tips (100)	• 471-008
Base Resin "B" (7 grams)	• 471-005	Gel Etch (7 ml)	• 480-004

# Cements



## Fascinate™ Glass Ionomer Band Cement with Fluoride

Provides remarkable bond strength while releasing fluoride during treatment to help prevent decalcification beneath bands or bonding pads. Safe and easy to use. The liquid/powder formula produces a matrix that chemically bonds to tooth enamel. No acid etching is required. Impervious to water and once dry, will not wash out during treatment. May also be used as a direct bond bracket sealant. Set-up time is 5-7 minutes.

FASCINATE™ Kit • 470-150

Kit contains: Powder 15-grams, liquid-15 ml, spatula and mixing pad.

FASCINATE™ VALUE Kit • 470-155

Kit contains: Powder 50-grams, liquid-55 ml, spatula and mixing pad.

### Fascinate™ Components

Powder (15 grams) • 470-152	Liquid (15ml) • 470-154
Powder (50 grams) • 470-156	Liquid (55ml) • 470-157



## Lightform™ Twin-Paste, Dual Cure Band Cement

Sets in 30 seconds by light-activated curing or 8 minutes by auto-curing. Consistent mixing viscosity. Strong metal-to-cement retention provides great stability throughout treatment.

LIGHTFORM™ Kit • 470-130

Kit contains: Catalyst paste syringe (6 grams), base paste syringe (6 grams), spatula and mixing pad.

LIGHTFORM™ VALUE Kit • 470-131

Kit contains: 3 catalyst paste syringes (6 grams), 3 base paste syringe (6 grams), 3 spatulas and 3 mixing pads.

\*All Lightform™ components require 72°F or lower refrigeration.

### Lightform™ Components\*

Catalyst (6 grams)	• 470-132
Base (6 grams)	• 470-133



## Ortho "O"™ Zinc Oxyphosphate Band Cement

Available in natural white or gold. Natural white approximates the color of teeth. Gold contrasts with teeth, making it easier to see during clean up.

ORTHO "O"™ Natural White Kit • 470-100

Kit contains: 1 bottle of white powder (454 grams), 4 bottles of liquid catalyst (56cc per bottle)

ORTHO "O"™ GOLD Kit • 470-101

Kit contains: 1 bottle of gold powder (454 grams), 4 bottles of liquid catalyst (56cc per bottle)

### Ortho "O"™ Components

White Powder (454 grams)	• 470-110
Gold Powder (454 grams)	• 470-111
Liquid Catalyst (56cc)	• 470-120



## Fuji-Ortho™ Band Paste (Cement) with Fluoride

Makes bonding faster and easier – the dispenser produces two pastes to the exact ratio so a strong bond can be achieved every time. The doctor or assistant mixes the paste for 15 seconds to a smooth, creamy consistency. The paste stays in place without running and is good for up to 3-1/2 minutes. No etching is required and paste is placed in a wet field. Each kit contains enough paste to cement approximately 62 bands.

STARTER Kit • 480-140

Kit contains: Two 13.3g (7.2ml) paste pak cartridges, 1 paste dispenser, 1 mixing pad and mixing spatula.

### Fuji-Ortho™ Components\*

2 Paste Cartridges (13.3 grams)	• 480-141
Dispenser	• 480-142

# Etchant Gels/Conditioners



## Prophy Paste

Plain paste designed specifically for preparation of orthodontic bonding surfaces. After debonding is great as a final polisher. 2gm/cup, 200 cups per box. Prophy Paste • 470-140



## Ortho-Ease™ Blue Gel Etch Syringe Kit

Water soluble gel that simplifies the etching process. The syringe allows ease in application in hard to reach places. The blue gel is visible on teeth for precise placement with minimal waste. Each syringe pack comes with 20 bendable and disposable wire tips.

Ortho Ease™ Blue Gel Syringe Kit • 470-160  
Kit contains: 4 disposable syringes, each with 4 grams of gel (37% phosphoric acid) and 20 disposable syringe tips.



## Gel Etch Econo-Syringe

Green colored etch is the same 37% phosphoric acid formula as above, but dispensed from large 12 gram syringe. 25 disposable plastic tips are included with each syringe.

Gel Etch Econo Syringe • 470-162



## Orange Etch Gel

Orange colored etch is the same 37% phosphoric acid formula as above, but is in a convenient sized 15cc bottle.

Orange Etch Gel • 470-006



## Mini Sponge Applicators

Specially designed for application of liquids, etches and resins to teeth. Using tweezers, each sponge can be picked out from pre-moistened jar and dipped in liquid before applying to desired area. Mini sponges may be used during bonding to apply etchant or any liquid, such as primers, conditioners, etc.

200 Mini Sponges in Plastic Jar • 480-015



## Power Bond™ O.S.C. Self-Cured Bonding Conditioner

A self-cure, two-part formula. Increases bond strength dramatically. Mix parts A and B then brush on dry etched enamel prior to applying adhesive.

Power Bond™ Conditioner Part "A" (7 grams) • 471-060

Power Bond™ Conditioner Part "B" (7 grams) • 471-061



## Advantage Brushes

2" disposable brushes are ideal for primer and etchant application. 400 pack • 480-008



## Delrin Mixing Spatula

Double-ended, one round and one square, flexible spatulas. Tips are effective for

mixing and material control. Contoured handle for user comfort. 100 pack • 480-021



## Microbrushes

The perfect solution applicator. Provides precise placement of solution. Reduces use of excess material. Flexible tips bend to any angle. Non-linting and

non-absorbant. Four distinct colors for application identification. Blue (100 pack) • 480-031 Green (100 pack) • 480-032 Purple (100 pack) • 480-033 Peach (100 pack) • 480-034 Assortment (400 pack) • 480-030



## Power Bond™ O.L.C. Light-Cured Bonding Conditioner

Increases bond strength dramatically. Ideal for bonding to acrylic, composite or metal surfaces or any enamel surface where maximum adhesion is desired. Pre-mixed, one-step conditioner should be brushed on dry etched enamel prior to applying adhesive. This conditioner ensures a strong bond.

Power Bond™ O.L.C. (7 grams) • 471-062



## Advantage™ Porcelain Bonding Conditioner

Prepares dental porcelain for metal or ceramic bond brackets. Primer is a saline coupling agent which helps to chemically bond the adhesive to the porcelain.

Porcelain Conditioner (16cc) • 480-013



## Plastic Bracket Conditioner

Prepares plastic brackets for direct bonding. Brush on base prior to applying adhesive. Provides a strong bond between the bracket base and adhesive. Must be refrigerated when not in use.

Bracket Conditioner (10cc) • 470-170

# Weights and Measures

inch	mm	
1/64	0.0156	0.397
1/32	0.0312	0.794
1/16	0.0625	1.588
1/8	0.1250	3.175
3/16	0.1875	4.763
1/4	0.2500	6.350
5/16	0.3125	7.938
3/8	0.3750	9.525
1/2	0.5000	12.700
5/8	0.6250	15.875
3/4	0.7500	19.050
1	1.0000	25.400

°C	°F	°C	°F
-40	-40	110	230
-30	-22	120	248
-20	-4	130	266
-10	+14	140	284
0	+32	150	302
10	50	200	392
20	68	300	572
30	86	400	752
40	104	500	932
50	122	600	1112
60	140	700	1292
70	158	800	1472
80	176	900	1652
90	194	1000	1832
100	212	2000	3632

1 mm = 0.0394 inch  
 1 cm = 10 mm = 0.3937 inch  
 1 m = 1000 mm = 1.0936 yards  
 1 km = 0.6214 miles  
 1 inch = 25.40 mm  
 1 foot = 12 inches = 30.48 cm  
 1 yard = 3 feet = 91.44 cm  
 1 mile = 1,760 yards = 1.6093 km

1 mg = 0.0154 grain  
 1 g = 1000 mg = 0.0353 oz  
 1 kg = 1000 g = 2.2046 lb  
 1 ounce = 28.35 g  
 1 pound = 16 ounces = 0.4536 kg

mm	∅	inch
0.10		0.004
0.15		0.006
0.20		0.008
0.22		0.009
0.25		0.010
0.28		0.011
0.30		0.012
0.35		0.014
0.40		0.016
0.45		0.018
0.50		0.020

mm	inch
0.0254	0.001
0.0508	0.002
0.0762	0.003
0.1016	0.004
0.1270	0.005
0.1524	0.006
0.1778	0.007
0.2032	0.008
0.2286	0.009
0.2540	0.010
0.2794	0.011
0.3048	0.012
0.3302	0.013
0.3556	0.014
0.3810	0.015
0.4064	0.016
0.4318	0.017
0.4572	0.018
0.4826	0.019
0.5080	0.020
0.5334	0.021
0.5588	0.022
0.5842	0.023
0.6069	0.024
0.6350	0.025
0.6604	0.026
0.6858	0.027

mm	inch
0.7112	0.028
0.7366	0.029
0.7620	0.030
0.7874	0.031
0.8128	0.032
0.8382	0.033
0.8636	0.034
0.8890	0.035
0.9144	0.036
0.9398	0.037
0.9652	0.038
0.9906	0.039
1.0000	0.0394
1.0160	0.040
1.0414	0.041
1.0668	0.042
1.0922	0.043
1.1176	0.044
1.1430	0.045
1.1634	0.046
1.1938	0.047
1.2192	0.048
1.2446	0.049
1.2700	0.050
1.2954	0.051
1.3208	0.052
1.3462	0.053

mm	inch
1.3716	0.054
1.3970	0.055
1.4224	0.056
1.4478	0.057
1.4732	0.058
1.4986	0.059
1.5240	0.060
1.5494	0.061
1.5748	0.062
1.6002	0.063
1.6256	0.064
1.6510	0.065
1.6764	0.066
1.7018	0.067
1.7272	0.068
1.7526	0.069
1.7780	0.070
1.8034	0.071
1.8288	0.072
1.8542	0.073
1.8796	0.074
1.9050	0.075
1.9304	0.076
1.9558	0.077
1.9812	0.078
2.0000	0.0787