

DENTAL BONDING AGENT

CLEARFIL DC BOND

Flow Chart Sheet



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CLEARFIL DC BOND is indicated for the following uses:

- Case A** Core build-ups using light-, dual-, or self-cure composite resin
- Case B** Direct restorations using light-cure composite resin
- Case C** Direct restorations using self-cure composite resin
- Case D** Cavity sealing as a pretreatment for indirect restorations
- Case E** Treatment of exposed root surfaces
- Case F** Intraoral repairs of fractured crowns/bridges made of porcelain, ceramics, hybrid ceramics or composite resin

DENTAL BONDING AGENT

CLEARFIL™ DC BOND

Flow Chart Sheet



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Table : Dental curing light type and light-curing time

Type	Wavelength range and light intensity	Light-curing time
Conventional halogen	Light intensity of 300 - 550 mW/cm ² in wavelength range from 400 - 515 nm	10 sec. (20 sec. for core build-up)
LED	Light intensity of more than 300 mW/cm ² in wavelength range from 400 - 515 nm	10 sec. (20 sec. for core build-up)
Fast halogen	Light intensity of more than 550 mW/cm ² in wavelength range from 400 - 515 nm	5 sec. (10 sec. for core build-up)
Plasma arc	Light intensity of more than 2000 mW/cm ² in wavelength range from 400 - 515 nm, and light intensity of more than 450 mW/cm ² in wavelength range from 400 - 430 nm.	5 sec. (10 sec. for core build-up)

Case A



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Core build-ups using light-, dual-, or self-cure composite resin (1/2)

1 Treatment of post surface



For metal post

Apply metal-adhesive primer and dry with air flow



For glass-fiber post

Following acid etching, apply silane-coupling agent and dry with air flow



2 Mix equal amounts of liquid A&B

The mixture must be covered with light blocking plate and used within 90 sec. after mixing



3 Apply BOND



4 Dry with high-pressure air flow



*Prevent the applied BOND from being exposed to strong operating light

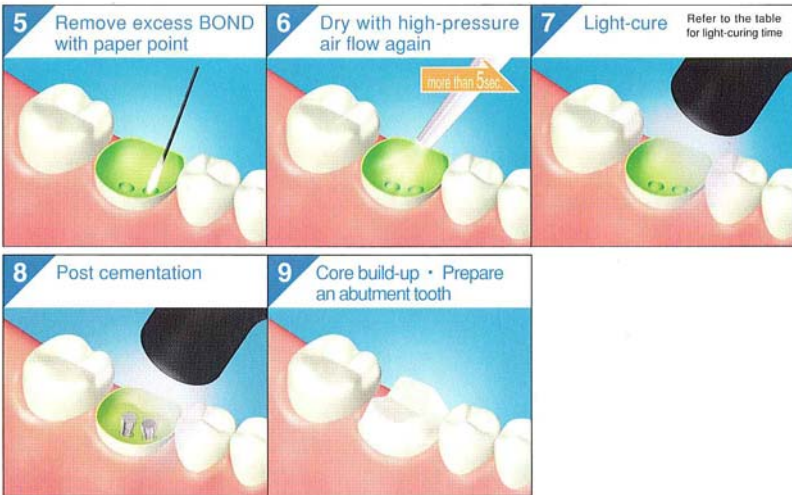
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Case A



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Core build-ups using light-, dual-, or self-cure composite resin (2/2)



Case B



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Direct restorations using light-cure composite resin

<p>1 Mix equal amounts of liquid A&B The mixture must be covered with light blocking plate and used within 90 sec. after mixing</p>  <p>more than 5sec.</p>	<p>2 Apply BOND</p>  <p>20sec.</p> <p>*Prevent the applied BOND from being exposed to strong operating light</p>	<p>3 Dry with high-pressure air flow</p>  <p>more than 5sec.</p>
<p>4 Light-cure Refer to the table for light-curing time</p> 	<p>5 Apply light-cure composite resin</p> 	<p>6 Light-cure Refer to individual instructions for Use for light-curing time</p> 

B

Case C



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Direct restorations using self-cure composite resin

<p>1 Mix equal amounts of liquid A&B The mixture must be covered with light blocking plate and used within 90 sec. after mixing</p> <p>more than 0sec.</p>  <p>A B</p>	<p>2 Apply BOND</p> <p>20sec.</p>  <p>*Prevent the applied BOND from being exposed to strong operating light</p>	<p>3 Dry with high-pressure air flow</p> <p>more than 0sec.</p> 
<p>4 Light-cure</p> <p>Refer to the table for light-curing time</p> 	<p>5 Apply self-cure composite resin</p> 	

Case D



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Cavity sealing as a pretreatment for indirect restorations (1/2)

<p>1 Mix equal amounts of liquid A&B The mixture must be covered with light blocking plate and used within 90 sec. after mixing</p> <p>more than 5sec.</p>  <p>A B</p>	<p>2 Apply BOND</p> <p>20sec.</p>  <p>*Prevent the applied BOND from being exposed to strong operating light</p>	<p>3 Dry with high-pressure air flow</p> <p>more than 5sec.</p> 
<p>4 Light-cure</p> <p>Refer to the table for light-curing time</p> 	<p>5 Apply flowable light-cure composite resin</p> 	<p>Continued Overleaf</p> 

Case D



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Cavity sealing as a pretreatment for indirect restorations (2/2)


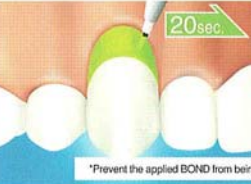

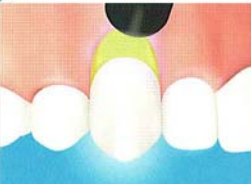




Case E



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Treatment of exposed root surface (1/2)

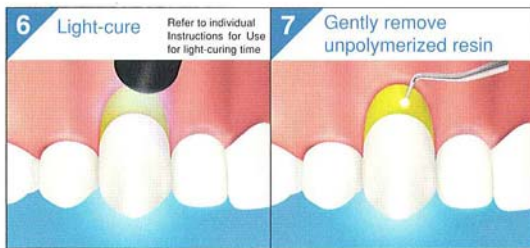
<p>1 Mix equal amounts of liquid A&B The mixture must be covered with light blocking plate and used within 90 sec. after mixing</p>  <p>more than 5sec.</p> <p>A B</p>	<p>2 Apply BOND</p>  <p>20sec.</p> <p>*Prevent the applied BOND from being exposed to strong operating light</p>	<p>3 Dry with high-pressure air flow</p>  <p>more than 5sec.</p>
<p>4 Light-cure Refer to the table for light-curing time</p> 	<p>5 Apply flowable light-cure composite resin</p> 	<p>E</p> <p>Continued Overleaf</p> 

Case E

Treatment of exposed root surface (2/2)



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Case F



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Intraoral repairs of fractured crowns/bridges made of porcelain, ceramics, hybrid ceramics or composite resin (2/2)



Case F



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Intraoral repairs of fractured crowns/bridges made of porcelain, ceramics, hybrid ceramics or composite resin (1/2)

<p>1 Prepare margin with diamond point</p> 	<p>2 Apply etching agent, wash, and dry with air flow</p> 	<p>3 Apply metal-adhesive primer to exposed metal surface</p> 
<p>4 Apply silane-coupling agent to facing material surface</p> 	<p>5 Apply BOND to adherent surface</p> <p>When there is tooth surface as part of the adherent surfaces, follow steps 1 through 4 of Case B for the tooth surface treatment</p> 	

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