001 1563R560R

DENTAL BONDING AGENTS

# CLEARFIL™ Universal Bond Quick 2

## Unit Dose Flow Chart Sheet

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## INDICATIONS

| | CASE |
|---|---|
| [1] Direct restorations using light-cured composite resin | Direct restoration |
| [2] Sealing of a prepared cavity or abutment tooth as a pretreatment for indirect restorations | Sealing of a prepared abutment tooth |
| [3] Treatment of exposed root surfaces* | |
| [4] Treatment of hypersensitive teeth* | |
| [5] Intraoral repairs of fractured restorations | Intraoral repair |
| [6] Post cementation and core build-ups | Post cementation / Core build-up |
| [7] Cementation of indirect restorations | Cementation |

*Please refer to the Instructions for Use for [3] and [4] of indications.

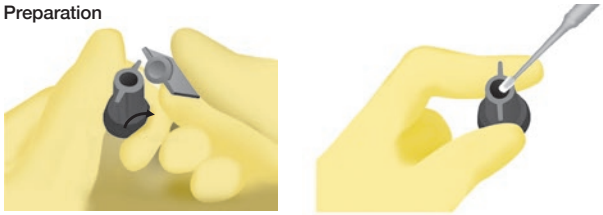
Table 1: Dental curing unit and curing time

| Type | Light source | Light Intensity | Light-curing time |
|---|---|---|---|
| Halogen | Halogen lamp | More than 400 mW/cm² | 10 seconds |
| LED | Blue LED* | 800-1400 mW/cm² | 10 seconds |
| | | More than 1500 mW/cm² | 5 seconds |

The effective wavelength range of each dental curing unit must be 400-515nm. *Peak of emission spectrum: 450-480nm

If the treated surface is contaminated, KATANA™ Cleaner can be selected to clean the adherent surfaces. When using KATANA™ Cleaner, follow the Instructions for Use.

Preparation



*When snapping off the container cap, do not tilt it to avoid spilling BOND.

## Direct restoration using light-cured composite resin

Follow the standard procedures for isolation, moisture control, cavity preparation and pulp protection

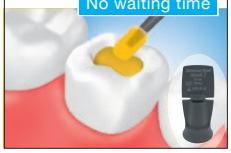
**1 Tooth pretreatment**
Choose either etching procedure

a.Self-etching (Move to section 2)

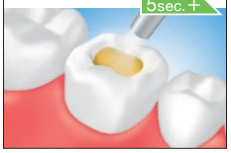
b.Selective-etching
Apply K-ETCHANT Syringe to the uncut and/or cut enamel, then rinse and dry


c.Total-etching
Apply K-ETCHANT Syringe to the entire cavity (enamel and dentin), then rinse and dry


**2 Apply BOND with a rubbing motion**

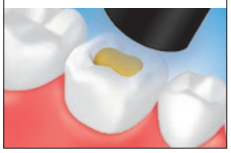



**3 Dry by blowing mild air until BOND does not move*1**




*1 Use a vacuum aspirator to prevent BOND from scattering.

**4 Light-cure*2**



*2 Refer to Table 1 for light-curing time.

**5 Place composite resin, light-cure and finish**

## Sealing of a prepared abutment tooth as a pretreatment for indirect restorations

Follow the standard procedure for isolation, moisture control, preparation of abutment tooth

**1 Tooth pretreatment**
Choose either etching procedure

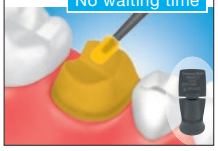
a.Self-etching (Move to section 2)

b.Selective-etching*1

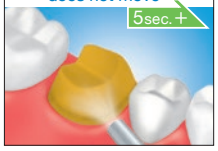

c.Total-etching*1


*1 Refer to Direct Restoration

**2 Apply BOND with a rubbing motion**




**3 Dry by blowing mild air until BOND does not move*2**




*2 Use a vacuum aspirator to prevent BOND from scattering.

**4 Light-cure*3**

*3 Refer to Table 1 for light-curing time.

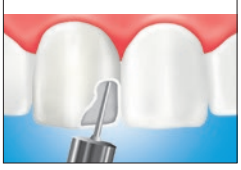
**5** If necessary, place a thin coat of composite resin (e.g. CLEARFIL MAJESTY ES Flow) onto the tooth, light-cure according to the manufacturer's instructions.

**6 Wipe the surface to remove the un-polymerized layer (oxygen inhibited layer)*4**

*4 Use a cotton pellet or a gauze moistened with alcohol.

## Intraoral repair of fractured restorations

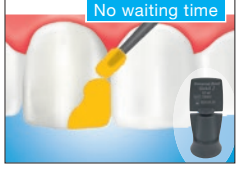
**1 Roughen, rinse and air dry**



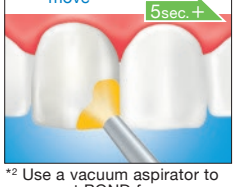
**2 Apply K-ETCHANT Syringe, then rinse and dry*1**


*1 This acid etching is not necessary for non-precious metal and metal oxide ceramic.

**3 Apply BOND with a rubbing motion**




**4 Dry by blowing mild air until BOND does not move*2**




*2 Use a vacuum aspirator to prevent BOND from scattering.

**5 Light-cure*3**

*3 Refer to Table 1 for light-curing time.

**6 Place composite resin*4, light-cure and finish**

*4 Use an opaque resin (e.g. CLEARFIL ST OPAQUER) to mask metal color.

# Post cementation / Core build-ups *with CLEARFIL DC CORE PLUS*

Follow the standard procedures for isolation, moisture control and preparation of root canal and cavity

**1 Post pretreatment**

For glass fiber post

[1] Apply K-ETCHANT Syringe, rinse and dry


[2] Apply BOND, then dry by blowing mild air

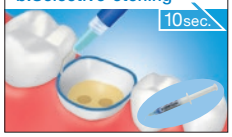

For metal post

[1] Blast with alumina powder, then ultrasonic clean and dry

**2 Tooth pretreatment**
Choose either etching procedure

a.Self-etching
(Move to section 3)

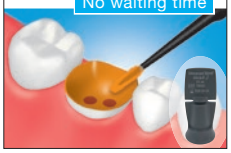
b.Selective-etching*1




c.Total-etching*1


*1 Refer to Direct Restoration 1

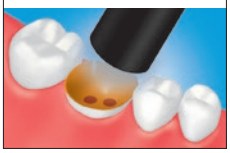
**3 Apply BOND with a rubbing motion**




**4 Dry by blowing mild air and paper point until BOND does not move*2**

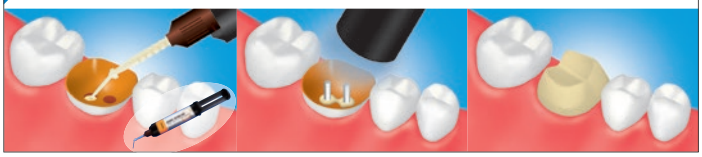

*2 Use a vacuum aspirator to prevent BOND from scattering.

**5 Light-cure*3**



*3 Refer to Table 1 for light-curing time.

**6 Post cementation and core build-up using CLEARFIL DC CORE PLUS according to the manufacturer's instructions**



# Cementation of indirect restorations *with Kuraray's self-adhesive cements*

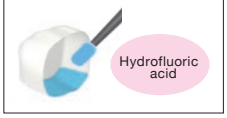
Clean and dry the tooth surface, and then trial fit the prosthetic restoration

**1 Surface preparation of prosthetic restorations**

Silica-based glass ceramic (e.g. lithium disilicate)



Apply a hydrofluoric acid, then wash and dry




Metal oxide ceramics (e.g. zirconia), metals or composite resins


Blast with alumina powder (30-50μm/ 0.1-0.4MPa/ 14-58 PSI/ 1-4 bar), then ultrasonic clean and dry

**2 Tooth Pretreatment**
Choose either etching procedure

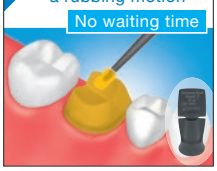
a.Self-etching
(Move to section 3)

b.Selective-etching*1


c.Total-etching*1


*1 Refer to Direct Restoration 1

**3 Apply BOND with a rubbing motion**




**4 Dry by blowing mild air until BOND does not move*2**


*2 Use a vacuum aspirator to prevent BOND from scattering.

**5 Cementation using Kuraray's self-adhesive cements according to the manufacturer's instructions**

Note: When using a partial light-curing (or "Tack-Cure") technique, the setting time of the excess cement will be shorter.