

CLEARFIL™ PORCELAIN BOND ACTIVATOR

INSTRUCTIONS FOR USE

CLEARFIL PORCELAIN BOND ACTIVATOR is used in conjunction with CLEARFIL NEW BOND, CLEARFIL PHOTO BOND, CLEARFIL LINER BOND 2V or CLEARFIL SE BOND to enhance bonding strength to porcelain and cured composite resin. CLEARFIL PORCELAIN BOND ACTIVATOR contains a silane coupling agent, a clinically proven porcelain adhesion enhancer. When mixed with CLEARFIL NEW BOND, CLEARFIL PHOTO BOND, CLEARFIL LINER BOND 2V or CLEARFIL SE BOND and applied to fractured porcelain and/or exposed metal, it provides immediately high and long term bond strengths to the substrates and the restorative composite.

INDICATIONS

CLEARFIL PORCELAIN BOND ACTIVATOR is effective in a wide range of usages which require adhesion to porcelain and composite.

- Repair of porcelain or porcelain fused-to-metal crowns and bridges.
- Restoration of gingival porcelain areas where bonding to porcelain is necessary.
- Increased retention of porcelain inlays, onlays, crowns and veneers.
- Increased retention of composite inlays and onlays.

CLINICAL PROCEDURE

CLEARFIL PORCELAIN BOND ACTIVATOR must be used in conjunction with either CLEARFIL NEW BOND, CLEARFIL PHOTO BOND, CLEARFIL LINER BOND 2V or CLEARFIL SE BOND.

1. SURFACE PREPARATION

A. Porcelain surface:

To increase surface area, sandblast with 50 micron alumina particles using the AD Abrader™. Apply K-ETCHANT GEL for five seconds then wash and dry.

B. Metal surface:

To increase surface area, sandblast with 50 micron alumina particles using the AD Abrader. It is also recommended that precious or semi-precious metals be tin-plated.

C. Composite surface:

Apply K-ETCHANT GEL for five seconds then wash and dry.

D. Enamel and dentin:

Etch for 30 seconds with K-ETCHANT GEL then wash and dry.

2. Mixing CLEARFIL PORCELAIN BOND ACTIVATOR with CLEARFIL BONDING

(1) CLEARFIL NEW BOND, CLEARFIL PHOTO BOND

Place a drop of CLEARFIL PORCELAIN BOND ACTIVATOR, a drop of Catalyst liquid and a drop of Universal liquid from the bonding pack into the mixing dish and mix this for 5 seconds.

(Continue)

(2) CLEARFIL LINER BOND 2V

Dispense one drop each of PRIMER liquid A, B and CLEARFIL PORCELAIN BOND ACTIVATOR into a well of mixing dish and mix them.

(3) CLEARFIL SE BOND

Dispense one drop each of PRIMER and CLEARFIL PORCELAIN BOND ACTIVATOR into a well of mixing dish and mix them.

3. APPLICATION OF THE MIXTURE

Apply the mixture to the porcelain and metal surface with an applicator sponge. Gently blow the applied mixture with an air syringe for two-three seconds to evaporate the alcohol in the mix. CLEARFIL PHOTO BOND must be light-cured for 10 seconds.

4. FINISHING THE REPAIR, RESTORATION OR CEMENTATION

If a fracture is being repaired, the restorative composite and PHOTO CLEARFIL OPAQUER can now be placed and completed per the manufacture's instructions.

If a prosthesis is being cemented, it can now be placed with PANAVIA™ resin cement per the manufacturer's instructions.

PRECAUTIONS

1. Do not use after expiration date. Note expiration date on outside of package.
2. Keep refrigerated when not in use.
3. Keep away from extreme heat or direct sunlight.
4. Should CLEARFIL PORCELAIN BOND ACTIVATOR or mixed liquid come in contact with the skin or clothing, remove it with a cotton pledget moistened with alcohol.
5. CLEARFIL PORCELAIN BOND ACTIVATOR or mixed liquid should not be used with patients who have hypersensitivity to methacrylate monomers.
6. Use of protective gloves and a non-touch technique is recommended to reduce the risk of allergic response and minimize exposure to the material.
7. During visible light-curing, avoid looking directly at the light. Wear protective glasses.

CAUTION: Federal(U.S.A.) law restricts this device to sale by or on the order of a licensed dentist.

WARRANTY: KURARAY CO., LTD. will replace any product that is proved to be defective. KURARAY CO., LTD. does not accept liability for any loss or damage, direct, consequential or special, arising out of the application or use of or the inability to use these products. Before using, the user shall determine the suitability of the products for the intended use and the user assumes all risk and liability whatsoever in connection therewith.

NOTE: CLEARFIL and PANAVIA are trademarks of KURARAY CO., LTD.

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