

CLEARFIL™

CORE NEW BOND

ENGLISH INSTRUCTIONS FOR USE

CLEARFIL CORE NEW BOND is a chemically hardening hybrid composite especially suitable for the construction of immediate stump structures. The contrasting aesthetically sound colour, the good adhesive properties, the characteristic setting qualities and the hardness which can be compared to dentin make it possible to build a dependable sub-structure very simply. CLEARFIL CORE NEW BOND is suitable for the construction of both vital and non-vital elements.

CONTRAINDICATIONS

Patients with a history of hypersensitivity to methacrylate monomers.

INCOMPATIBILITY

Do not use eugenol containing materials for pulp protection and temporary sealing, as they retard the curing process.

I. Construction of vital elements

I.1 Cavity preparation:

Remove old restorations and excavate the cavity, while sacrificing hardly any dental tissue. It is not necessary to remove under incisions or to make them.

I.2 Drying the cavity:

It is preferable to work with rubber dam; however a combination of cotton wool rolls and effective aspiration will also be sufficient.

I.3 Applying a liner:

Depending on size and depth of the cavity, a liner of calcium hydroxide and/or glass ionomer cement should be applied.

I.4 Applying a matrix strip and wedges:

When necessary, apply a matrix strip and wedges.

I.5 Etching:

It is recommended to etch the cavity for 15 to 30 seconds with the aid of K-etchant gel. Check that the glass ionomer cement liner is not impaired. Then thoroughly rinse the cavity with a spray for at least 20 seconds after which it must be carefully dried. From this moment onwards it is important for the cavity to remain absolutely dry and clean, in order to make an optimum adhesion process possible. Should contamination of the etched surface occur unexpectedly (for instance caused by blood or saliva), it is necessary for the entire etching procedure to be repeated.

I.6 Applying CLEARFIL NEW BOND:

Mix the two components, Universal Liquid and Catalyst Liquid in the proportion of 1:1. Apply a thin coating of the mixture with a sponge on the entire wall of the cavity, the enamel and the dentin. Evaporate the solvent gently and carefully with a flow of air.

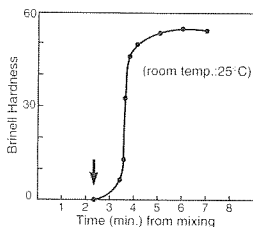
I.7 Mixing the pastes:

Take the relevant quantity of Universal paste from the jar with a plastic spatula and put it in the mixing dish. Take an equal quantity of Catalyst paste with the other end of the spatula. Mix both pastes vigorously and thoroughly in the mixing dish for 30 seconds.

I.8 Applying the composite into the cavity:

It is best to apply the mixed composite into the cavity by means of the syringe technique. Use of hand instruments however is also possible.

I.9 Setting time:



The consistency of the CLEARFIL CORE NEW BOND paste remains constant for about 3 minutes; after this the hardening reaction immediately occurs.

I.10 Hardening of the composite

The hardening of the composite should take place under pressure. With a plastic strip the composite in the matrix strip can be held under pressure.

I.11 Constructing the preparation:

1.5 minutes after the hardening, the matrix strip and wedges can be removed and crown preparation can be started directly.

II. Construction of non-vital elements

With this procedure it is assumed that the element to be restored has undergone endodontic treatment in the meantime and is strengthened with a pulpal pin. When using PANAVIA to cement the pulpal pin do not use a eugenol containing cement when closing off the root canal.

II.1 Preparing the root canal:

Prepare the root canal according to the guidelines of the manufacturer of the pulpal pin.

II.2 Rinsing the root canal:

Thoroughly rinse the root canal and then etch the cut tooth surface. The preparation is thoroughly rinsed with a spray and then dried.

II.4 Preparation of the cementing of the pulpal pin with PANAVIA:

Dose and mix the PANAVIA paste according to the PANAVIA instructions for use. From now on act fast, precisely according to regulations.

II.5 Insertion of the pulpal pin with PANAVIA:

Coat the pin with PANAVIA and place it on the working table. Apply PANAVIA into the root canal by means of the lentulo needle. Then immediately insert the pin into the root canal. Delaying too long before inserting the pin can cause the PANAVIA at the bottom of the root canal to harden.

PANAVIA is an anaerobic cement and sets when cut off from oxygen.

II.6 Excess PANAVIA:

By means of the small brush spread the excess PANAVIA into a thin layer over the tooth surface and the coronary part of the pin. This thin layer functions as a bonding agent for the CLEARFIL CORE NEW BOND. Remove the excess cement with the small brush.

It is not necessary to first harden the PANAVIA before proceeding with the restorative procedure. Because PANAVIA is an anaerobic cement it hardens when it is closed off from oxygen; in this case CLEARFIL CORE NEW BOND cuts out the oxygen.

II.7 Applying a matrix strip and wedges

For the remaining restorative procedure follow sections I.7 to I.11 from the above text.

PRECAUTIONS

[Safety precautions]

Allergic hypersensitivity

1. Avoid use of the product for patients with a history of hypersensitivity to methacrylate-related monomers.
2. Wear protective gloves or take other appropriate measures to prevent the occurrence of hypersensitivity due to contact with the product.
3. If any hypersensitivity, such as a rash or dermatitis occurs, discontinue the use of the product and consult a physician.

Contact with the human body

1. Use caution to prevent the product from coming in contact with soft tissue or the skin, or getting into the eye.
2. If the product comes in contact with the human body, take the following measures:
If the product gets in the eye, wash the eye with copious amounts of running water and consult a physician.
If the product comes in contact with the soft tissue or the skin, wipe it away with a cotton pledget or gauze moistened with alcohol and wash with copious amounts of water.
3. Use caution to prevent the patient from accidentally swallowing the product.

Others

1. Note that this product is flammable. Do not use or store it near open flames.

[Storage precautions]

1. Do not use after expiration date. Note expiration date on outside of package.
2. The product should be refrigerated when not in use; bring it to room temperature before using.
3. Keep away from extreme heat or direct sunlight.
4. Replace the bottle cap as soon as possible after bonding agent has been dispensed from the bottle.

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

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