



BIOCLEAR



POSTERIOR COMPOSITE SYSTEM INSTRUCTIONS

molar

molar

GETTING STARTED

KEYS TO SUCCESS

- Use a rubber dam
- Choose the correct matrix
 - Use a Bioclear clear matrix for simultaneous buccal & lingual curing
- Use Bioclear Forceps, as designed specifically for the Twin Ring
- Check for proper matrix orientation
- Seat deep into sulcus

MATRIX SELECTION

There are two lines of Biofit Matrices, Biofit BLUE and Biofit HD. Matrix selection is primarily based on doctor preference, but in general, the HD matrices are stiffer, and so easier to place whereas the BLUE matrices are more flexible and easier to manipulate during the restoration.

BIOCLEAR PUSH-PULL

- The Bioclear Push-Pull Instrument was created to ensure tight contacts, particularly when there is not enough interproximal tooth structure to hold the matrix tightly to the adjacent tooth.
- For more information, the instructions for use on Bioclear's website at www.bioclearmatrix.com/products/instrument-pushpull/

TWIN RING TIPS FROM DR. CLARK

- Use Bioclear Forceps with the Twin Ring. The Bioclear Forceps are specifically designed for safely and securely opening and placing the Twin Ring.
- Ensure that the tines of the forceps are **completely engaged with the plastic handles** of the Twin Ring (see below). If they are not fully engaged or if the tines are seated on the metal, then it can cause the Twin Ring to break.
- There are two types of Twin Ring - purple, which is for molars, and yellow, which is for pre-molars.
- **Do NOT use alcohol wipes or other cold sterilization methods - this will void the warranty.**



BUILDING A TIGHT CONTACT

1. PRE-WEDGE AND PREPARE THE TOOTH

Insert the Bioclear Diamond Wedge before cavity preparations. This will stretch the periodontal ligaments providing more working space and separation for a tight contact once the restoration is complete. Prepare the tooth. Make sure to break the contact using a fine bur or the TruContact Sander.

2. REMOVE WEDGE AND THEN PLACE BIOCLEAR MATRIX INTO THE EMBRASURE

Remove the pre-wedge. Then, using cotton pliers, grip the small tab on the selected matrix. Slide the matrix into the embrasure space making sure the matrix is centered on the tooth and the tab is towards the occlusal.

3. WEDGE THE MATRIX

You can either re-use the wedge used in the pre-wedging step, or use a larger wedge for stronger separation. Insert the selected wedge against the matrix. Check that the wedge has not inverted the curve of the Bioclear Matrix.

** In deep caries cases, use the Deep Caries Diamond Wedge. Position the Deep Caries bubble toward the cavity.*

4. PLACE THE TWIN RING

Open the Twin Ring using the Bioclear Ring Forceps just enough to get past the matrix down to the gingival margin. Release the forceps to clamp the ring over the top of the wedge and down against the matrix and teeth. Ensure that the matrix is between the tines and the tooth, is not folded inside the hands of the ring, and is properly

positioned. Use your fingers to lightly press on the ring to seat it more fully.

** With the tip of the push-pull or cotton pliers, gently adapt the matrix against the neighboring tooth. This will create a broad contact.*

TIP: After adapting, if the matrix will not maintain contact with the neighboring tooth, use the Push-Pull Instrument and the Spot-Weld technique to ensure tight contacts.

5. PLACE THE COMPOSITE

** Using the Bioclear clear posterior matrix allows for 3 point curing. Cure from the buccal, lingual and occlusal before removing the matrix.*

6. REMOVE THE RING, WEDGE AND MATRIX. THEN USE THE 2-STEP ROCKSTAR POLISH TO FINISH

INDICATIONS/SAFETY/STERILIZATION INSTRUCTIONS

Indications: The Bioclear Matrix Posterior System is indicated for all Class II restorations. This system utilizes Bioclear Twin Rings, Bioclear Diamond Wedges, and Bioclear Matrices.

Safety

To offer your patients the safest, most comfortable procedure possible, carefully read the enclosed instructions and watch the tutorials on the website prior to use.

Note: Please check www.bioclearmatrix.com to find the most recently updated instructions and tutorials.

Warnings

The Bioclear Matrix Posterior system contains small, sharp components. Use of a rubber dam is mandatory to prevent inhalation of parts. Use of gloves and/or pliers are recommended to prevent lacerations.

Aspiration: Seek immediate medical attention if any part is inhaled.

Laceration: If laceration occurs by a clean matrix, use appropriate first aid measures and then discard the matrix according to local regulations. If laceration occurs by an unclean matrix, recommended post-exposure procedures should be taken in addition to the appropriate first aid treatment.

Handling: To protect patients from injury, please take care to remain in full control of all instruments at all times. Use ONLY accessory tools designed, supplied, and/or outlined for use with the Bioclear Matrix Posterior System as listed in the instructions.

Precautions

Bioclear Matrix offers instructions and classes for using these products. Any use not specified in the instructions is not recommended and will be the responsibility of the attending practitioner.

Please note: that the Twin Rings are under tension. Make sure that they are appropriately placed on the forceps prior to insertion and that they are seated firmly prior to removing the forceps.

Storage

Store in a clean, dry environment at temperatures between 10-24°C/50-75°F, away from sunlight, moisture, excess humidity, flame or sources of ignition.

Wedges and Matrices are for single use only.

Used tools and materials are contaminated. Appropriate precautions should be taken to clean and/or discard according to standard procedures for sharps.

Hygiene

Avoid Cross Contamination
Bioclear Matrices and Wedges are single use ONLY and should be appropriately disposed of in accordance with local regulations.

Pre-Sterilization

Rinse any contaminants from the Twin Ring.
Use warm water and a soft nylon brush to gently wash the ring and then rinse in warm water.
Do NOT use alcohol wipes or other cold sterilization methods - this will void the warranty.

Automated Washer Disinfector

Rings can also be reused by cleaning them in a washer-disinfector.

Only properly maintained, calibrated, and approved washer-disinfectors should be used in accordance with ISO 15883-1.

Place tools in the washer-disinfector in such a manner as to allow the water and detergent to enter and drain from device openings.

Follow washer-disinfector's Instructions for Use.

Run washer-disinfector program with A0 value ≥ 3000 (e.g. 5 min at $\geq 90^{\circ}\text{C}$) using appropriate detergents. Tools can be reprocessed by washer-disinfector up to 500 times.

Sterilization

To ensure proper sterilization, all instruments should be steam-autoclaved at $134^{\circ}\text{C}/273^{\circ}\text{F}$ for at least 3 minutes. Rings should not be left in the autoclave for long periods as this may result in staining from the autoclave itself.

Please note: Do NOT use chemical sterilization or ultrasonic cleaning techniques; the warranty will be voided if chemical sterilization or ultrasonic cleaning is used. Sterilization methods other than steam are NOT recommended by Bioclear Matrix and, if used, are the sole responsibility of the practitioner.

Post Sterilization

Allow tools to fully dry prior to storage. Forceps do not require further maintenance and should not be oiled or greased.

 BIOCLEAR

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