

Biomic Color Opaque User Instruction

【Product category】

Opaque Liquid: A-OP, B-OP, C-OP, D-OP, W-OP

(A, B, C, D, W are color solutions; OP is an opaque solution)

Diluting Liquid

Protective Liquid

Indicator

【Product function】

To create a color opaque layer in internal surfaces of zirconia restorations

【Recommended scope of application】

A-OP is applicable to A shade restorations.

B-OP is applicable to B shade restorations.

C-OP is applicable to C shade restorations.

D-OP is applicable to D shade restorations.

W-OP is applicable to bleach restorations.

【Operational steps】

Step 1: Material Preparation

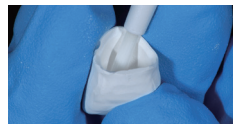
Tools preparation: Mixing brush (No.1), Protective liquid painting brush (No.2), Color opaque painting brush (No.3), Mixing plate

Product preparation: Color opaque, Protective liquid, Diluting Liquid, indicator



Step 2: Cleaning

Clean the restorations surface and purge the powder on the surface of the restorations before use color opaque liquid. (surface cleanliness will affect penetration)



Step 3: Opaque liquid preparation

Using the matching dropper, absorb the appropriate proportion of color solution and OP solution into a color mixing plate, and stir evenly with mixing brush.

Diluting Liquid can be used to adjust the opacity effect,

indicator can be used to reveal brush traces.

The guidelines for mixing:

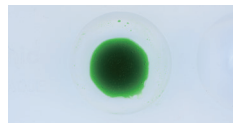
(1) For restorations in shades A1, A2, B1, and C1, the recommended dilution ratio to achieve optimal color matching is:

Diluting Liquid : Color Solution : OP Solution = 1 : 1 : 2;

(2) For bleached color restorations, the recommended dilution ratios to achieve optimal color matching are:

① For thick veneers and crown (>0.8mm) or strong color masking requirements: Diluting Liquid: W Color Solution: OP solution = 1:1:2

② For thin veneers: Diluting Liquid: W Color Solution: OP solution = 1:2:1



(3) For the remaining shade of restoration, it is recommended to mix the color solution with the OP solution in 1:1 ratio.

Step 4: Apply

Take out color opaque solution with the No.3 brush and apply it evenly to the inner crown of the restoration.



Step 5: Dry

Place the restorations after applying the color opaque for 5-10 minutes.

Step 6: Drying

It is recommended to dry at 150 °C for 5-30min.

Step 7: Sintering

Corresponds the different zirconia block of sintering program from manufacturers.

【Opaque effect】



Brush on the color opaque



No color opaque



NOTE

1. On the thin knife edge margin or restorations with thin labial thickness, it is recommended to take an appropriate amount of protective liquid to apply to the edge margin of the restoration or thin labial thickness before applying the color opaque solution, so as to avoid opacity caused by excessive penetration.
2. No. 2 brush should not be mixed with No. 3 brush.
3. When preparing the opaque color, it is recommended to add drops of indicator, which can assist in verifying the uniformity of the application.
4. Do not use other containers than the set to mix the liquid to avoid affecting the final result.
5. It is not recommended to use a fast sintering program after applying this product, long bridge has the risk of deformation.
6. It is recommended that the color opaque is used within 10 minutes after it has been mixed, so as not to affect the effect.
7. It is recommended to keep it away from light.
8. Do not place the dropper horizontally or upside down after taking the OP solution; when it is not used for a long time, please take out the dropper and tighten the packing bottle with the cap to avoid the rubber deterioration of the dropper.
9. To ensure optimal fit of dental restorations, it can reduce the shrinkage value of the zirconia block by 0.002 during CAD/CAM milling. For example, if the zirconia block labeled shrinkage value is 1.233, input 1.231 in the software.
10. If wants to extend the lifespan of No. 2 and No. 3 brushes: Avoid fully activating the entire brush. Moisten the brush tip before use, then blot away excess moisture. Only use the brush tip to take out the liquids. After use, wash only the tip with water and store it dry.
11. Rinse thoroughly with clean water after each use and dry. If deposits form on the tip of No.1 brush after prolonged use, soak the brush with alcohol.