

Enhance the Beauty of Your Restorations with InSync®

MONOLITHIC ALL CERAMIC RESTORATIONS

Monolithic ceramic restorations require specific techniques to glaze!

- Paste glaze NEEDS to be applied thick enough to provide a glazed shine
- Apply/fire in one thicker coat to be accomplished in one application/firing
- Apply/fire in thinner, sequential coats to keep the glaze thickness to a minimum and maintain surface texture and dimension
- Stain can be mixed in with a thicker paste glaze and then applied with sufficient thickness in appropriate areas to glaze lithium disilicate or zirconia monolithic restorations in one application/firing

Paste Glaze Considerations with larger monolithic cases

REMEMBER: Zirconia and lithium disilicate are particularly poor conductors of heat

- Paste glaze needs to have adequate time to dry with larger monolithic cases
- Poor conductivity may require a slower climb rate and/or a higher final temperature
- Insert/low temperature needs to be correct to dry larger monolithic cases; possibly some dwell time on firing platform before closure starts
- Too high of a low temperature or too short of a drying time can cause boiling of the liquid medium
- Too high of a low temperature or too short of a drying time can cause lifting or tearing of the unfired glaze material
- Utilizing a vacuum during the glazing cycle can eliminate bubbling in the glaze if bubbling is not too aggressive
- Cooling time should be considered when there is either large mass or extreme differences in mass (thus dramatic differences in cooling rates)



MICRO-LAYERED OR LAYERED RESTORATIONS WITH HIGH STRENGTH EXPOSED CERAMIC SUBSTRUCTURES

- Use steam or ultrasonic to remove any residue and contaminants from the surface of your restoration
- Apply paste glaze to all non-layered surfaces of your restoration

LAYERED CERAMIC RESTORATIONS

- Layered ceramic restorations may be the easiest types to glaze
- Apply glaze liquid to see the inherent color and apply stain and glaze as necessary
- Should your doctors want a more 'shiny' restoration, a thicker application of glaze may be required
- To achieve a natural glaze appearance, adding a small amount of InSync glaze to your glaze medium will help seal any open micro-pores/flaws in the surface

InSync Stain & Glaze Videos

Scan the QR codes below with your smart phone or tablet to view InSync Stain & Glaze instructional videos. Don't have a QR code scanner? Simply enter the URL to the right of the QR code into your browser.



<https://youtu.be/G417XC-EENk>

Pre-Glaze Preparation:

Important pre-glaze preparation steps for using InSync Stain & Glaze Paste on full contour zirconia restorations.



<https://youtu.be/ql0rhTNYmXM>

One-Step Stain & Glaze Process:

How to stain & glaze in one firing with InSync Stain & Glaze on full contour zirconia restorations.



https://youtu.be/3CXy_1aeFm8

Two-Step Stain & Glaze Process:

How to stain & glaze in two separate firings with InSync Stain & Glaze on full contour zirconia restorations.