



STEP BY STEP PROCEDURE FOR FULL CONTOUR (PEARL™ FC ZR)

Indications for Pearl™ FC Zr

Bruxers, or when a patient's preference would be a tooth-colored crown vs. a gold crown

Pearl FC Zr is isostatically pressed, resulting in a high-strength monolithic structure. Pearl FC Zr is CAD designed, choosing from multiple occlusal libraries and milled to a full contour which is chip proof.

1. When prescribing a full contour "Pearl FC Zr", select the desired shade.
 2. When sending models and dies as opposed to an STL file, CMC will design, mill, seat, contour and spot the occlusion to the antagonist, leaving the contacts slightly tight and broad for the lab to adjust to their preference.
 3. CMC does not stain for increased chroma at the gingival, enamel effects on cusp tips, or wear stains in central fosse groove. We do send the Pearl FC Zr with the basic hue/color.
 4. When Pearl FC Zr is received at your laboratory, and it is determined that the restoration requires additional staining, please follow our suggested procedure below:
 - A) Lightly sand blast with aluminum oxide no coarser than 50 microns at 50 psi, steam or ultra sonic clean. Using your zirconia porcelain's external stains (paste stains and paste glaze recommended), proceed with the stain application to achieve desired shade and special effects.
 - B) Set the stain using the porcelain manufacturers recommended glaze firing parameters. After stain has been fired and restoration has cooled, apply artificial paste glaze; a second application may be necessary to obtain necessary sheen or glaze.
- Due to the fact that zirconia is an insulator, not a conductor of heat, you may need to lower your rate of climb, hold longer at high temperature or fire the glaze paste 10-15 degrees higher than the recommended firing parameters. The above recommendations will help to achieve your desired glazed texture.
- C) When polishing vs. staining and glazing, we recommend the Axis NTI® CeraGlaze Zirconia Polishers from Axis Dental. Use DVA "Britteness" porcelain polishing paste for the final luster. CMC can provide your laboratory with a sample of the DVA polishing paste.

Please caution your doctor if occlusal adjustment is necessary; the restoration will need to be re-polished or glazed to a high luster to avoid abrading the antagonist.