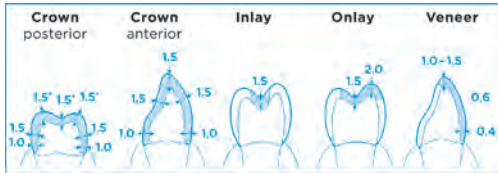


Processing Tips & Tricks

Zirconia-reinforced Lithium Silicate



*1.5-2 mm for frameworks that are exclusively polished

! The minimum wall thickness must still be ensured after all manual adjustments have been made.

IMPORTANT: Be sure to read and follow the manufacturer's directions for use (DFU). To obtain a copy, visit prosthetics.dentsply.com

Follow the DFU design parameters for thickness and tooth reduction.

Minimum Wall Thickness

Preparation: Proper reduction of the hard tissue of the tooth during preparation is essential for maximizing the strength, shade and retention of the finished restoration. When preparing anterior or posterior teeth, the anatomical shape has to be reduced as shown, at left.



! Avoid local overheating.

Use a water-cooled hand piece with fine-grain, diamond bur, allowing the speed of the bur to do the cutting. Prevent excessive heat and percussion during grinding.

When grinding or polishing the unit, use ceramic-coated rubber wheels and do not exceed 8,000 rpm.

Process Celtra like a conventional all-ceramic.



The Celtra DUO is completely crystallized, therefore, very stable. It can be processed in a ceramic furnace without firing paste.

The use of refractory paste is not required. It is recommended to use a FIRING PAD for posteriors. Optionally, when firing restorations, use a sheet of platinum foil to avoid the adhesion of fibers from the firing pad.

Optionally, for anteriors and bicuspid, firing can be accomplished on a looped pin with peg putty. Use only SuperPeg II™* paste. This has the correct CTE for use with Celtra. Use only enough paste as needed to secure the restoration on the pin.

Only thin, scale-free metal pins or thin ceramic pins should be used to anchor the restorations in the firing paste. Make sure the pin does not touch the restoration.



Once the stains and glaze have been applied, fire in a porcelain furnace. First firing at 820°C. Subsequent firings (optional) 770°C. Firing hold time is 1:30 minutes and should not be exceeded.

A 3:00 minute cool down period is recommended to allow the unit to reach the baseline temperature.

*SuperPeg II™ is not a registered trademark of DENTSPLY International, Inc.