

The Roetzer Technique for a Fast, Simple Method of Polishing FDP's

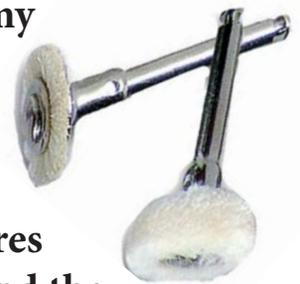
While there are certainly many ways to accomplish a task, Dr. Patrick Roetzer, Director of Operative Dentistry, University of the Pacific/ Dugoni School of Dentistry, offers the following suggestions with regard to his use of the most efficient and effective product for polishing gold, porcelain-type and composite restorations. Dr. Roetzer's suggestions for polishing and his comments are offered below.



Dr. Roetzer's Tips for Polishing Composites, Alloy, and Porcelain Veneering Restorations



"I use *Hy-Brite* or *Zircon-Brite*, both products of Dental Ventures of America, as my polishing media for all substrates with great success".



"I use the small, very unique, latch-type, contra-angle bristle brushes and buffs (also available exclusively from Dental Ventures of America) at full speed (15 to 20K) for intra-oral applications, and the straight hand-piece at the same speed for extra-oral procedures".

"Naturally, I vary the pressure contingent upon the substrate being polished".

"After finishing with my silicone points or wheels, I simply use gentle-to-firm pressure on the various porcelain-type materials, including ZIRCONIA, until I create the desired polish value".



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Fig. 1 and 2 have been polished with a *traditional polish. The restorations in Fig. 3 and 4 have been polished with DVA's Zircon-Brite with Dr. Roetzer's technique.

Micro-Hybrid Composite

“With COMPOSITES, I vary my technique and finish with an 18-flute carbide bur, prior to finalizing with the DVA polish. No need to pre-polish with expensive silicone points! With composites I always utilize light pressure using the small, very useful, intra-oral, latch-type brush and follow that^R with a final polish utilizing the small DVA contra-angle buff”.



Fig. 1



Fig. 2



Fig. 3

Fig. 1 polished with traditional polish. Figs. 2 & 3 polished with DVA's Zircon-Brite

e.Max[®] or Lithium Disilicate

“For e.Max[®] or LITHIUM DISILICATE, after completion of my silicone points and wheels, I use moderate to firm pressure with a straight/latch-type brush followed by the straight/latch-type buff”.

The following series of pictures demonstrates repairing a fractured e.Max crown.



Pre-Op



After Zircon-Brite Polish



Zirconia and Non-Precious Alloys

ZIRCONIA and NON-PRECIOUS ALLOYS require pre-finishing with silicone points and wheels, prior to utilizing firm pressure on the DVA Zircon-Brite polish. However, an excellent level of polish value can easily and quickly be attained by utilizing this technique and product.



Alloy crown first polished with rubber points and then with one application of DVA's Zircon-Brite polish.

“Note that I do not vary the speed; it is always ‘full speed’ at the 15 to 20K rpm’s provided by the air-driven, low speed hand-piece. Repeating, that I always vary the pressure until I attain my desired end-point of polish value”

“While it might sound pedantic, it is important to understand that the brush or buff in use should be ‘loaded’ with the polish by running their fibers directly into and upon the surface of the polishing compound until the bristles or fibers are generously coated.” Several of my colleagues have attempted to ‘carry and wipe’ the polish material onto the surface in the mouth with no success. This is undoubtedly a habit gained by their using the previously available, paste-type polishing media. Once applied, I cannot stress enough how nice Zircon-Brite stays in place while polishing; which is very unlike other polishing materials that fly off the tooth or crown being polished. It works directly upon the surface being polished”!

“Jerry, DVA has developed a very neat product that has enabled me to bring the ‘glaze’ looking finish back to my Zirconia restorations without sending back to the lab. Thank you for your hard work; it is no surprise that my friend, Gordon*, likes this product so much.”

Photos courtesy of Patrick L. Roetzer, DDS, FICD, FACD

Director of Operative Dentistry

University of the Pacific/Arthur A. Dugoni School of Dentistry

Consultant In Restorative Dentistry

***Dr. Gordon Christiansen, who’s Clinical Research Foundation of evaluators have chosen Zircon-Brite as among the “Top Dental Products” for three years consecutive years.**