

STEP BY STEP

Cementation procedure

CEMENTATION PROCEDURE DIGITAL WORKFLOW ON A CEMENTATION JIG

These cementing procedures describe the workflow for cementing on a plaster cementing jig on Elos Accurate® Hybrid Base™ Non-Engaging in a controlled and optimal cementing procedure, relying on the digital workflow.

We have used Panavia V5 from Kuraray Noritake which is approved for Elos Accurate Hybrid Bases for the EU market. We are currently working on having it approved for the US market.

The patient has been scanned with Elos Accurate Scan Body. The cement space is preset in the Elos Accurate Library to 40µm and the correct output file; stl or mill is created in the cad software.



1. Overview of all included Elos Accurate components for the manufacture of the cement jig.



2. Before cementing, clean the surface thoroughly with alcohol 99.5% (<95% alcohol). Sandblasting of the hybrid base is not necessary, but if you blast you must protect the connection interface.



3. Mount the hybrid bases on the Elos Accurate Analog for Printed Models with the Elos Accurate Hexalobular Prosthetic Screw.



4. The pillars of analogs and hybrid bases placed in the bridge structure.



5. Make sure you get the "antennas", the Gude Grip™ Technology, in the right place. There is 360 degree freedom of choice.



6. Block the screw hole in the bottom of the analogs (to prevent plaster from entering the analog).



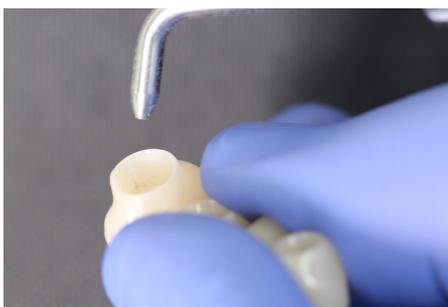
7. To create the cementing jig, place the entire structure with the analogs in Class 4 plaster.



8. When the plaster has solidified, lift the bridge structure from the cementing jig.



9. Seal the screw heads with thread tape.



10. Sandblast the internal geometry of the milled tooth restoration adjacent to the hybrid bases with alumina 50 µm and burst pressure of 2 bar.



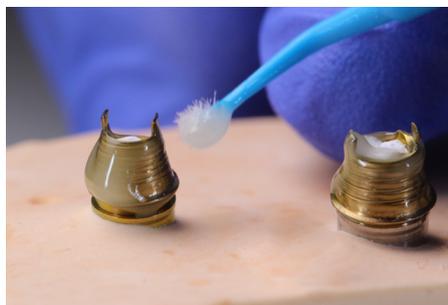
11. Apply the ceramic primer to the restoration. The ceramic primer can be used for Zirconia (ZrO₂) glass ceramics, porcelain, composite, Ti and CoCr.



12. Apply the ceramic primer to the hybrid bases.



13. Panavia V5 paste is available in 5 different colors. The opaque paste is self-curing and the other four are double-curing. Use the PANAVIA™ V5 Try-in-Paste to predict the aesthetics of the finished design.



14. Apply the cement paste with a brush, making sure that all surfaces on the hybrid bases are covered with cement.

It is also possible to apply the cement paste to the inside of the bridge structure.



15. Place the bridge structure on the hybrid bases covered with cement and mounted on the jig.

Self-Cured Workflow: During curing time, apply pressure to the bridge structure over the hybrid bases. Wait 3 minutes (tack cement).



16. Remove the excess cement that has been pushed out between the hybrid bases and the bridge structure. Leave for 10 minutes to complete self-curing at room temperature.



17. Remove the thread tape with a sharp instrument (explorer).



18. Ensure that all excess cement is removed before restoration is installed in the patient's mouth.