

Laboratory Protocol

Biologic Hybrid Frame Surface Treatment

When working with a BioLogic Hybrid frame you will need to carry out the following steps in order to prep the surface prior to cementing individual crowns to the frame and layering composite materials such as GC Gradia to tissue areas.



BioLogic™
Hybrid

These instructions are given as a general guidelines, they were determined after careful research and coaching from the material provider.

Surface treatment for “preps” of the BioLogic Hybrid frame



Prior to Bonding Crowns:

- Sandblast the surface with Al₂O₃ (Aluminum Oxide Sand) of 50 micron size. Use pressure of no more than 2 bars and at a distance of about 5 inches from the surface.
- Steam clean the surface (use distilled water in the steam cleaner).
- Air blast dry.



Bonding Crowns:

- Apply a primer such as Ivoclar's Monobond Plus which is a primer for bonding surfaces, let air dry for 1 min.
- Bond crowns with a dual-cure cement, we recommend Multilink Automix cement (Ivoclar) following the standard bonding instructions for the material.

Surface treatment of areas to be covered with Composite (GC Gradia tissue)

- Sandblast the surface with Al₂O₃ (Aluminum Oxide Sand) of 50 micron size.
- Use pressure of no more than 2 bars and at a distance of about 5 inches from the surface.
- Steam clean the surface (use distilled water in the steam cleaner). Air blast dry.
- Apply a coat of ceramic Primer and let bench dry, do not air blast it.
- Apply a coat of Composite Primer and put in light curing unit for 1 minute 30 seconds.
- Do not air blast. Frame is now ready for layering composite Material to tissue areas.