



Voids

Issue

- Voids on the margin of a preparation compromise the fit and function of the final restoration (Photo).

Cause

- Syringe technique.
- Air incorporated when loading intraoral syringe.
- Moisture present either in the sulcus, or pooled on occlusal surfaces.

Solution

- Voids may be reduced by using a stirring motion while syringing, keeping the syringe tip immersed to avoid trapping air.
- Front load syringe by inserting mix tip directly into intraoral syringe and forcing the plunger backwards.
- Control bleeding, and when appropriate, consider the two cord retraction technique and/or hemostatic agents. Pools of water or saliva on occlusal surfaces should be avoided.

- Voids on occlusal surfaces make articulation of stone models difficult.