

Protocol 6

Composite Restoration for Posterior Teeth^{20, 21}

○ **Indications:**

- Class I cavity preparations.
- Class II cavity preparation in permanent dentition.
- Class V cavity preparation.

○ **Procedure:**

1. Anesthetize, Isolate the tooth with rubber dam.
2. Polish the tooth using pumice & rubber cup.
3. Prepare the cavity, eliminate all sharp line angles within the preparation, and gently smoothen the cavosurface line angle.
4. Rinse and blot dry.
5. Apply glass Ionomer liner on exposed dentin and extend the lining up to the Dentino Enamel Junction (DEJ) & cure.
6. Etch enamel for 20-30 seconds, rinse for 30 seconds & blot dry.
7. Apply primer for 10 seconds & gently dry.
8. Apply thin layer of bonding agent and cure for 20 seconds.
9. Select hybrid composite.
10. Place composite in the cavity in increments less than 2mm & cure each increment for 40 seconds. Finish with finishing instruments.
11. Seal unprepared pits & fissures.
12. Remove rubber dam, check occlusion & adjust as necessary.

Note:

- ❖ Eugenol containing materials should not be used in conjunction with composite restorations.
- ❖ For class II cavity restoration, matrix band or T- band should be used & a wedge to be inserted interproximally.