Prepare/Prime:
- Conservatively prepare the tooth; place matrix bands and wedges.
- Apply Vitremer primer for 30 seconds to all dentin surfaces; air dry.
- Light-cure for 20 seconds.

Apply glass ionomer:
- Mix Vitremer powder and liquid according to product instructions; back load into delivery tip.
- Syringe Vitremer restorative into the preparation, extending no further than just apical to the proximal contact.
- Light-cure for 40 seconds.

Freshen preparation margins/Etch:
- Using a rotary instrument, remove excess Vitremer restorative material from enamel margins and cavity walls that will be bonded.
- Apply Scotchbond™ Etchant to enamel and exposed dentin; wait 15 seconds, then rinse. Blot excess water, leaving tooth moist.
Adper™ Single Bond 2 Adhesive
Vitremer™ Core Buildup/Restorative
Filtek™ Z250 Universal Restorative
Sof-Lex™ Discs, Strips and Finishing Brush

**Bond:**
- Immediately after blotting, apply 2-3 consecutive coats of Adper Single Bond 2 adhesive to enamel, dentin and Vitremer restorative base material for 15 seconds with gentle agitation using a fully saturated applicator.
- Gently air thin for 5 seconds to evaporate solvents.
- Light-cure for 10 seconds.

**Place Restorative:**
- Place Filtek Z250 Restorative in increments.
- Light-cure each increment. (Reference Light-Cure chart for increment thickness and cure time.)

**Finish and Polish:**
- Finish occlusal surface using a Sof-Lex Finishing Brush.
- Finish proximal surfaces with Sof-Lex Extra Thin Discs and Strips.

**Check Occlusion:**
- Check lateral and centric occlusion.
- Adjust if necessary.