1. Posterior Restorations
Independent testing shows that wear and durability of ACTIVA BioACTIVE-RESTORATIVE is similar to composites. The fracture resistance of ACTIVA is far superior to traditional composites, RMGs and GLs.

2. Anterior Restorations
I have used ACTIVA to restore a fractured tooth #10 with excellent results (see figures below).

3. Bulk Fill
ACTIVA’s dual cure chemistry ensures depth of cure and reduces the risk of unpolymerized resin (a major cause of sensitivity).

4. Failing Crowns
ACTIVA BioACTIVE-RESTORATIVE is used to repair failed crown margins. The bendable cannula can be positioned under crown margins, and ACTIVA is injected into the area.
5. **Strip Crowns**
ACTIVA’s easy handling, flowability and dual cure properties make it perfect for strip crowns, a fast and economical solution for children and cost-conscious adults.

![Fig. 1 Shows rampant caries.](image)
![Fig. 2 Decay is removed and teeth prepared for restoration.](image)
![Fig. 3 Strip crowns were prepared in advance on a study model.](image)
![Fig. 4 Final ACTIVA restoration using the strip crown technique.](image)

Courtesy of Raymond Kimsey, DMD

6. **Base/Liner**
Activa Base/Liner is ideal for deep preparations. It provides a reservoir of calcium, phosphate and fluoride ions that seal and protect dentin.

7. **Direct Multi-Unit Restorations with Prefabricated Matrix**
I have seen many cases successfully completed using a prefabricated matrix and the ACTIVA injection technique. Either a putty matrix or a clear vacuum formed “suck down” can be used for this economical, one-visit, multi-unit restorative solution.

![Fig. 1 Pre-op photo.](image)
![Fig. 2 Idealized wax-up and refractory putty matrix.](image)
![Fig. 3 Shows teeth after caries removal.](image)
![Fig. 4 Same day finished case immediately post-op.](image)

8. **Pediatric Restorations**
ACTIVA KIDS comes in an opaque, milky white shade that matches deciduous teeth and can also be used to mask dark stains.

9. **Cementation**
This bioactive cement is compatible with all substrates, including zirconia, e.Max, metal and composite. It can be used to cement posts and works well with ACTIVA BioACTIVE-RESTORATIVE core buildups.

![Fig. 1 Tooth is prepared to receive a crown. Note retentive crown prep.](image)
![Fig. 2 Crown filled with ACTIVA BioACTIVE-CEMENT is seated and tack cured 1-2 seconds.](image)
![Fig. 3 Excess cement is easily removed.](image)
![Fig. 4 Shows finished case.](image)

Courtesy of Dr. G. Franklin Shull

10. **Core Build-Ups**
Dentists are using ACTIVA BioACTIVE-RESTORATIVE as a core build-up material, with and without posts.

11. **Class V**
ACTIVA BioACTIVE materials are moisture-tolerant and work well in cases where isolation is an issue.

![Fig. 1 Shows cervical lesions of lower bicusps.](image)
![Fig. 2 After etching, bonding agent was applied for added retention. ACTIVA provides esthetics, bioactivity, and patient comfort.](image)

Courtesy of C. H. Pameijer, DMD