



# Posterior Composite Restorations

The following clinical case demonstrates how choosing the right restorative materials makes it possible to fill both the clinical outcomes gap and the practice productivity gap with posterior composite restorations.

A 52-year-old male presented with back-to-back, 35-year-old-plus, failing amalgam restorations on teeth #14 and #15. Both molars tested WNL to thermal stimuli, EPT, percussion and palpation. They also presented normally upon radiographic exam. (Fig. 1)



**FIG. 1: PRE-TREATMENT #14 AND #15 FAILING AMALGAM RESTORATIONS.**



**FIG. 2: FAILED AMALGAM RESTORATIONS AND DECAY REMOVED.**

After verifying the pulpal status, 0.5 carpule of 4% Septocaine (Septodont) anesthetic with 1:100,000 was buccally infiltrated adjacent to both #14 and #15. Following the infiltration, rubber dam isolation was achieved, and amalgam restorations were removed under high-speed evacuation, decay was also removed, and preparations were refined. Sectional matrices were then placed to restore #15 first and #14 second. (Fig. 2)

Next, I conditioned the teeth with Ecosite Bond and then placed a single increment of Ecosite Bulk Fill. After quickly sculpting, I did a 20-second cure and rough-finished the restorations following the teeth's natural contours. After verifying that the proximal contacts were ideal, I removed the rubber dam and had the patient rinse. I then checked the occlusion and did a final polish. The shade of the restoration was a very close match to the surrounding teeth. The total procedure took less than one hour. (Fig. 3)



## Conclusion

Choosing the optimal restorative materials is critical to mastering posterior composite restorations, and hence to filling gaps in both clinical outcomes and practice productivity. Based on the results observed in our practice, Ecosite Bulk Fill and Ecosite Bond are two such materials.



**FIG. 3: FINAL POLISH OF ECOSITE RESTORATIONS #14 AND #15.**

### ABOUT THE AUTHOR



Founder of the nation's largest student and new dentist community, igniteDDS, Dr. David Rice travels the world speaking, writing and connecting today's top young dentists with tomorrow's most successful dental practices. In addition to igniteDDS, Dr. Rice maintains a team-centered, restorative and implant practice in East Amherst, NY. With 23 years of practice in the books, he has completed curriculums at the Spear Center, The Pankey Institute, The Dawson Center and the school of hard knocks...