

# Filtek™ Bulk Fill Posterior Restorative

## Class II Amalgam Replacement

Clinical photography by: Dr. Robert Margeas, DDS

### About the Case:

The patient presented with recurrent decay under an aging amalgam. Because of the presence of decay as well as the depth of the prep, Vitrebond™ Light Cure Glass Ionomer Liner/Base was chosen and applied to the deepest dentin. After application of the liner, the selective etch approach using Scotchbond™ Universal Adhesive was chosen for its excellent seal on enamel margins while minimizing the chance of post-operative sensitivity. Once the adhesive is cured, Filtek™ Bulk Fill Posterior Restorative was placed in a single increment up to 5mm. Post-operative photos taken two weeks after placement indicate a very pleasing result.

### Step-by-Step:



Fig. 1: Pre-operative condition.



Fig. 2: After removal of failing amalgam.



Fig. 3: Use of micro air abrasion to clean the cavity preparation.



Fig. 4: Application of Vitrebond™ Light Cure Glass Ionomer Liner/Base.

### Challenge:

A deep Class II restoration can be prone to post-operative sensitivity. Use of a liner/base such as Vitrebond Liner/Base, as well as a self-etch bonding approach on dentin, combines two techniques for keeping post-operative sensitivity to a minimum. Once the bonding agent is in place, the bulk fill approach allows for a fast, efficient placement technique for posterior restorations.

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Fig. 5: Etchant applied using the selective enamel etch technique.

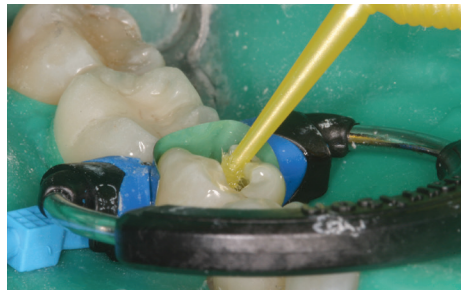


Fig. 6: Application of Scotchbond™ Universal Adhesive.

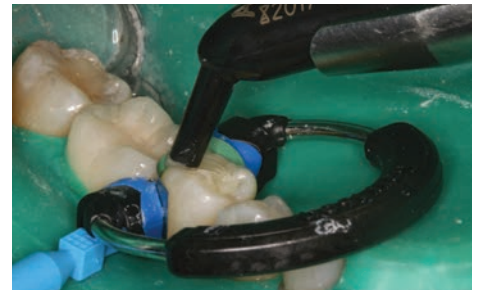


Fig. 7: Placement of Filtek™ Bulk Fill Posterior Restorative in a single increment.



Fig. 8: Polishing with Sof-Lex™ Spiral Polishing Wheel (white).



Fig. 9: Immediately post-polishing; adjacent enamel is still desiccated.



Fig. 10: Final restoration, two weeks post-op.

### The 3M Difference:

3M innovations such as Scotchbond™ Universal Adhesive, Filtek™ Bulk Fill Posterior Restorative and Sof-Lex™ Spiral Finishing and Polishing Wheels provide an efficient and simple procedure while also reducing costly chair time. In cases where deep posterior restorations are presented, Vitrebond™ Light Cure Glass Ionomer Liner/Base can reduce the risk of post-op sensitivity.

Dr. Margeas has received honoraria from 3M ESPE Dental.



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