

Class II Restoration

MODB #4 and #5

Procedure/Study by

Dr. Robert Rosenfeld, DDS

Composi-Tight® 3D XR ●●

Composi-Tight™ 3D ●●

SlickBands™ ●●

**Class II Restoration MODB #4 and #5**

by: Dr. Robert Rosenfeld, DDS

Dr Rosenfeld is a graduate of Cornell University and Northwestern University Dental School. He served a year of General Practice residency and a second year as chief-resident at Long Island Jewish Medical Center. Dr. Rosenfeld has completed additional training in aesthetic dentistry from numerous sources, including the Nash Institute, where he has also served as a mentor. He is a member of the American Academy of Cosmetic Dentistry. He practices privately in Westwood, New Jersey.

Clinical Brief:

The 3D rings do a beautiful job of preventing flash by pressing the sectional matrix band against the tooth to be restored. With the prior ring generation, there were some teeth whose anatomical shape resulted in pop-off. With the addition of the new 3DXR ring, that almost never happens. It has become by go-to ring, especially for more challenging situations.



01

Large failing amalgam restorations on teeth numbers 4 and 5, exhibiting marginal leakage and recurrent decay.



02

Buccal view of teeth numbers 4 and 5, pre-treatment, showing significant discoloration.



03

Removal of MODB amalgam #4 and excavation.



04

Tooth #4 was restored using Composit-Tight 3D rings. I employed a self-etching bonding agent (Clearfil SE Protect, Kuraray) followed by a bulk-filling composite (SureFil SDR, Caulk Dentsply) and then a surface layer of microhybrid composite (Majesty Esthetic, Kuraray). Crude anatomy has been created. Next, I prepared to fill #5. A more certain marginal seal to enamel can be obtained by selectively etching enamel margins with phosphoric acid as shown.

05



Set-up of Composit-Tight matrices, wedges and rings. The original 3D ring works fine on the distal, where clinical crown height is adequate. With shorter teeth, or distals of cuspids, the 3DXR ring is ideal because the tines on blue pad "hook" under wedge, securing it in place and preventing ring pop off.

06



Crude buildup of #5, also using Clearfil SE Protect, SureFil SDR, and Majesty Esthetic.

07



Fully restored teeth numbers 4 and 5. Due to size of restorations, the patient was alerted that both teeth may be candidates for full coverage in the future when the patient is more financially able.

08



Buccal view of teeth numbers 4 and 5 after restoration.



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