

# 3M Clinical Focus - Posterior Restorative Solution using **NEW** Filtek™ Silorane & Sectional Matrix Plus

Filtek™ Silorane Low Shrink Posterior Restorative is the first posterior composite to achieve less than 1% polymerization shrinkage.

It offers clinicians excellent handling, strong mechanical properties and natural looking restorations.

## Sectional Matrix Plus Retainer System

Delivers the best-in-class tooth separating power and provides tight, anatomically correct contacts on Class II posterior composite restorations.

### CLINICAL CASE REPORT USING FILTEK™ SILORANE & SECTIONAL MATRIX PLUS RETAINER SYSTEM






Courtesy of Dr. Michael Mandikos BDS (HONS), MS (New York), Cert Pros, FRACDS

#### 3M ESPE Filtek Silorane Low Shrink Posterior Restorative



#### 3M ESPE Sectional Matrix Plus Retainer System includes bands that are now available in five convenient sizes.



-  Small bands for bicusps and small molars – now 16% longer!
-  **New size!** Extended small bands for bicusps and small molars with deep cervical preparations.
-  **New size!** Mid-sized molar bands
-  Standard bands for majority of molar preparations – now 16% longer
-  Large bands for deep cervical preparations



Pre-op of #44 with old amalgam in place.



Buccal view of #34 showing characteristic shadowing of amalgam through tooth structure, compromising aesthetics of tooth.



Filtek Silorane A3 shade has been selected to restore this tooth.



Old amalgam restoration (and its base) removed. Cavity margins are in enamel and bevelled to facilitate etching process and to ensure better marginal seal for final restoration.



Sectional Matrix Plus band applied. G-ring used to better engage flexible wedge at base of band, bending it back and against matrix band. Band is burnished against distal tooth to ensure a broad contact region will be formed.



The dedicated adhesive system that comes with Filtek Silorane is a self-etch adhesive.

When applying primer, it must be thoroughly air dried and light cured before the Bond is applied, air thinned and light cured.



37% Phosphoric acid gel applied to cavo-surface margins to ensure an adequate etch pattern for subsequent adhesive, a very sensible step to take with any SE dentine bonding agent.



Completed restoration viewed from occlusal with excellent aesthetic shade integration. Filtek Silorane provides biomechanically sound restoration that is well bonded into surrounding tooth structure, with little residual stress to tooth.



The completed restoration viewed buccally. Note elimination of grey shadow as seen through the cusp with the previous amalgam in situ.

Would you like further information on the new 3M ESPE Filtek Silorane Low Shrink Posterior Restorative & 3M ESPE Sectional Matrix Plus retainer System?  
Contact Customer Service on 1300 363 454 or visit [3mespe.com.au](http://3mespe.com.au).

**3M ESPE**

