

# 3M™ ESPE™ Paradigm™ MZ100 Block for CEREC®

## INDIVIDUAL CASE REPORT

Milled indirect restorations can be produced chairside and offer a time advantage over traditional indirect restorations. 3M™ ESPE™ Paradigm™ MZ100 Block for CEREC® is derived from the 3M™ ESPE™ Z100™ Restorative Material, which has documented 7-year clinical results. The material has superior mechanical properties compared to milled porcelain and offers easier and faster finishing and polishing with no-etch of the internal surface of the restoration. It is offered in six shades and can be polished with 3M™ ESPE™ Sof-Lex™ Discs.

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3M™ ESPE™ Single Bond Dental Adhesive  
3M™ ESPE™ Filtek™ Flow Flowable Restorative  
3M™ ESPE™ Paradigm™ MZ100 Block for CEREC®  
3M™ ESPE™ RelyX™ ARC Adhesive Resin Cement  
3M™ ESPE™ Sof-Lex™ Finishing and Polishing System



**1** The patient presented with persistent sensitivity on the first premolar. An ultra-conservative approach was chosen to minimize sound tooth structure removal.



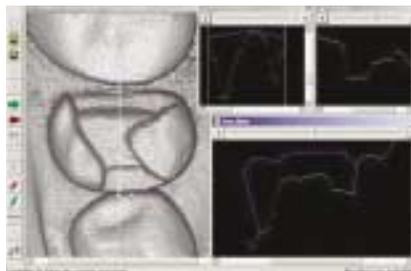
**2** The radiograph shows decay on the distal surface of the first premolar and a large class II MOD amalgam on the second premolar.



**3** Upon amalgam removal, direct access was obtained to the distal surface of the first premolar for caries removal. The preparations were totally etched and rinsed, followed by Single Bond dental adhesive application and light curing (10 sec.).



**4** The first premolar was filled with Filtek Flow flowable restorative and polished. The second premolar was based with Filtek flow restorative and the preparation refined.



**5** Optical impression was obtained and the restoration designed with the CEREC® Link software. The restoration was milled out of an A2 shade Paradigm MZ100 Block for CEREC® on a CEREC® 2 unit.



**6** The restoration was seated without any need for adjustment other than polishing the remnants of the last milling steps.



**7** The polished restoration was luted with RelyX ARC adhesive resin cement (shade A1). Light curing was done for 40 sec. on the lingual, buccal and occlusal surfaces.



**8** Completed restorations with minimal removal of sound tooth structure. The margins were polished with Sof-Lex finishing and polishing discs.



**9** Post-operative radiograph. Note the Paradigm MZ100 Block for CEREC® radiopacity.

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