

Clinical dentistry and photography by Dr. Walter Devoto Santa Margharita Ligure, Italy



About the case:

A flowable composite with controlled delivery system was selected to repair a child's right central incisor.



Challenge:

Detect and eliminate air bubbles in the composite before curing.

Before:





Products featured in this case:



3M™ Scotchbond™ Universal Adhesive



3M™ Filtek™ Supreme Flowable Restorative



3M[™] Sof-Lex[™] Contouring and Polishing Discs



3M™ Sof-Lex™ Diamond Polishing System





Clinical dentistry and photography by

Dr. Walter Devoto
Santa Margharita Ligure, Italy

Products featured in this case:

- > 3M™ Scotchbond™ Universal Adhesive
- > 3M™ Filtek™ Supreme Flowable Restorative
- > 3M™ Elipar™ DeepCure-S LED Curing Light
- > 3M[™] Sof-Lex[™] Contouring and Polishing Discs



Fig. 1: A fracture on the upper-right central incisor is evident on this pre-operative facial view.



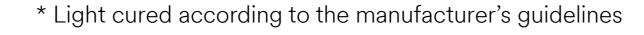
Fig. 3: After cleaning with a 3M[™] Sof-Lex[™] Extra-Thin Contouring and Polishing Disc (coarse grit), the tooth is etched for 15 seconds using 3M[™] Scotchbond[™] Universal Etchant and rinsed.



Fig. 2: The palatal pre-operative view reveals how little tooth structure is missing and, conversely, how little composite will be required for the restorative procedure.



Fig. 4: 3M[™] Scotchbond[™] Universal Adhesive is applied, rubbed in for 20 seconds, treated with a gentle stream of air for solvent evaporation, and light cured* for 10 seconds.







Clinical dentistry and photography by

Dr. Walter Devoto
Santa Margharita Ligure, Italy

Products featured in this case:

- > 3M™ Scotchbond™ Universal Adhesive
- > 3M™ Filtek™ Supreme Flowable Restorative
- > 3M™ Elipar™ DeepCure-S LED Curing Light
- > 3M[™] Sof-Lex[™] Contouring and Polishing Discs



Fig. 5: 3M™ Filtek™ Supreme Flowable Restorative is applied directly from the needle tip delivery system to the incisal edge in need of repair.



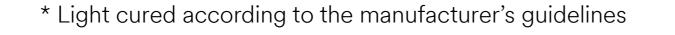
Fig. 6: The first layer of 3M™ Filtek™ Supreme Flowable Restorative prior to light curing. Notice that the material is stable on the tooth (no running or dripping).



Fig. 7: Appearance of the tooth after the application and light curing* (10 seconds) of two layers of flowable. Contouring with a 3M™ Sof-Lex™ Extra-Thin Contouring and Polishing Disc.



Fig. 8: A slow speed coarse bur (Styleitaliano Finishing Bur Kit) recreates the original texture of the tooth.







Clinical dentistry and photography by

Dr. Walter Devoto
Santa Margharita Ligure, Italy

Products featured in this case:

- > 3M[™] Scotchbond[™] Universal Adhesive
- > 3M™ Filtek™ Supreme Flowable Restorative
- > 3M™ Elipar™ DeepCure-S LED Curing Light
- > 3M[™] Sof-Lex[™] Contouring and Polishing Discs



Fig. 9: The 3M™ Sof-Lex™ Diamond Polishing System is used to obtain the final restorative luster.



Fig. 10: The final esthetic result reveals an excellent match in both color and form.



Fig. 11: Notice that the margin of the restoration is undetectable, even without having prepared the tooth.





