

Capo Bulk Fill Applied in the Etch and Rinse Technique

A case study by Dr. med. dent. Ellen Schulze, Wimmelburg/Germany



Initial situation:

The 27 year old patient came to our practice with a broken filling made of glass ionomer cement. Tooth 36 showed a severe case of secondary caries.

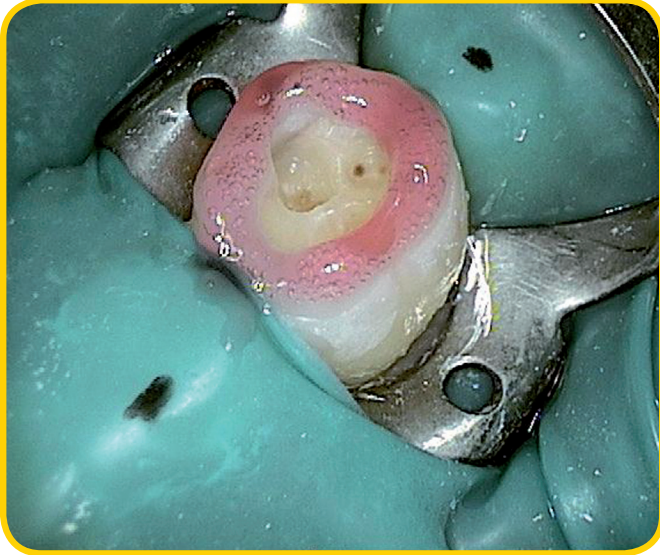


First, the affected area of the tooth is prepared and the softened dentin is removed. To obtain good adhesion, all conventional preparation guidelines for composites ought to be followed.

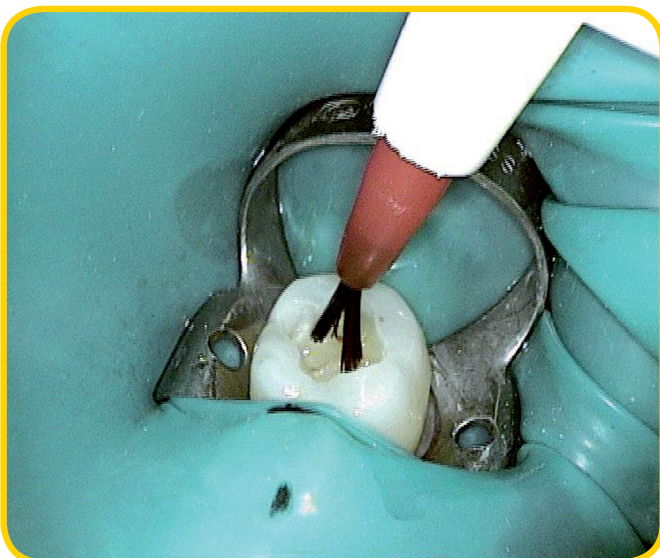
A rubber dam is placed around the tooth to avoid contamination with saliva. The tooth is cleaned and gently dried.

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Only the enamel is etched to prevent the dentin close to the pulp from damage and to avoid a possible hypersensitivity. Capo Etch gel is applied and is left to act for 30 seconds. The red color of the etching gel offers an excellent contrast to the natural tooth and thus allows for a controlled application.



Afterwards, the etching gel is thoroughly rinsed off with water for a minimum of 20 seconds. An adequate amount of Capo Bond is applied to the enamel and dentin surfaces with help of an application brush. It is rubbed in for 30 seconds. Next, the surface is dried with oil-free compressed air for about 15 seconds. Capo Bond is a light-curing single-component primer and bonding system. It was designed to form a tight bond between composites and enamel or dentin as well as as between composites and high precious or non-precious alloys. Capo Bond can be used in the „wet bonding technique“ on slightly moist dentin surfaces.

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The bonding material is cured for ca. 20 seconds with a polymerization lamp.

Subsequently, the cavity is filled with Capo Bulk Fill composite. This material can be applied in layers with a thickness of up to 4 mm in one step, without using an elaborate layering technique. Nevertheless, I prefer to work in several steps when treating large cavities, as such a technique will help obtain an even better marginal stability. The highly viscous material guarantees an excellent adaption to the cavity and facilitates a safe and easy application. Capo Bulk Fill is cured with a polymerization lamp for 40 seconds.



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Because of the extremely high filler content, the polymerization shrinkage of Capo Bulk Fill composite is exceptionally low. The restorations are easy to finish and to polish.

The „chameleon effect“ of Capo Bulk Fill lets the filling adapt very well to the natural tooth color. The filling is virtually „hidden“ inside the mouth.



Note: This case study is not an instruction leaflet. Please adhere to the instructions provided with the material. The responsibility for the treatment remains with the attending dentist.

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**We look forward to
hearing from you!**

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