

CAPO BULK FILL
plus
Systhetics

PrimeBond7
Systhetics

Aesthetic final result

Aesthetic cavity fillings

with Capo Bulk Fill Plus and PrimeBond7

A user report by dentist Isabel Deny, Karlsruhe



Fig. 1 Carious fissures in the molar region

Initial Situation

During a routine examination of the patient, several carious fissures were discovered in the molar region (Fig. 1).

To prevent further loss of hard tooth structure and progression of the caries, fillings with Capo Bulk Fill Plus (Schütz Dental) were suggested to the patient.

SCHÜTZ DENTAL
Micerium Group



Fig. 2 Capo Bulk Fill Plus and PrimeBond7

Products used

For the treatment, we chose the light curing lateral tooth composite Capo Bulk Fill Plus and the 7th generation bonding agent PrimeBond7 (Fig. 2). Both products were from Schütz Dental's new Systhetics product line.

Removal of the caries and preparation of the tooth for the filling

The affected fissures initially underwent minimally invasive opening that targeted the defects and the caries was removed (Fig. 3). The usual preparation principles should be adhered to so as not to endanger the pulp.



Fig. 3 Situation after removal of the caries

Rubber dam was used for absolute desiccation of the tooth (Fig. 4). The tooth was properly cleaned and dried.



Fig. 4 Absolute desiccation using a rubber dam

Etching the hard tooth substance

In this case, I decided to use the selective etch method, although PrimeBond7 can also be used in the self etch technique.

Enamel etching with an established acid etching technique conditions the enamel for the filling and thus appropriately prepares it (Fig. 5).

Application of the etching gel (37% phosphoric acid gel) takes 30 seconds. This is followed by thorough rinsing with water and drying with air.



Fig. 5



Fig. 6 Curing with a curing light

Use of PrimeBond7

After etching and drying of the tooth, PrimeBond7 is initially used. An adequate amount of the bonding agent must be applied to the entire tooth cavity. The reaction time is at least 20 seconds.

After the reaction time, the excess material is blown off with compressed air until no more loose fluid film is visible. The curing time with a curing light is 10 seconds (Fig. 6).

Filling the tooth using Capo Bulk Fill Plus composite

The Capo Bulk Fill Plus material is a free-flowing light curing composite. The material is in a syringe and is simply introduced into the cavity via the application syringe.



Fig. 7 Layering with Capo Bulk Fill Plus

Slow and steady pressure should be applied during this process. It must be ensured that no air bubbles develop in the material (Fig. 7). The material is applied and cured in several layers.

The curing time per layer, using a curing light, is 20 seconds. The optical fiber must be kept as close as possible to the filling surface. Polymerization can be done in increments up to a thickness of 4 mm. This serves to shorten the treatment time and increases the patient's comfort.

Finishing the final fillings

The Capo Bulk Fill Plus material can be finished and polished immediately after polymerization. Finishing is done with finishing diamonds and SofLex discs.

After occlusion has been checked with an articulation paper, the filling is ready (Fig 8).

Once the anesthesia has worn off, the patient is able to start using the tooth with the filling immediately.



Fig. 8 Aesthetic final result

Conclusion

Capo Bulk Fill Plus and PrimeBond7 are very good for processing materials and easy to handle.

Capo Bulk Fill Plus is visually attractive, especially its color. Because the material is one of the few on the market that is free of Bis-GMA, it is for me the material of choice for restoring carious lesions in the lateral tooth region. Furthermore, I was also impressed by the stability in conjunction with the very good handling.

The Author

Isabel Deny, dentist



Short CV

- Graduated from Philipps University in Marburg in December 2010 and licensed to practice dentistry
- Employed in a dental office in Weimar/Lahn from March 2011 to January 2014
- Employed in the dental office of Dr. Hetal Gajjar in Karlsruhe from March 2014 until today
- Various overseas assignments in Nepal, Mongolia, Namibia and Zambia from 2009–2018
- Specialist in endodontics

Schütz Dental online!
www.schuetz-dental.de