Posterior restauration with Futurabond U and x-tra fil

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Fig. 01: Initial situation: Insufficient glass ionomer filling, tooth 47

Fig. 02: Removal of the defective glass ionomer filling

Fig. 03: After removal of the old filling, you can observe the previous cavity lining for pulp protection with Calcimol LC and Ionoseal (VOCO). For creating a dry working field is recommended the use of a rubber dam.

Fig. 04: Hold the SingleDose blister between thumb and forefinger and, by pressing on the area marked “press here”, so that the liquid contained in the blister flows into the mixing and dispensing chamber.

Fig. 05: Put the enclosed Single Tim applicator in the centre of the coloured circle in order to pierce through the film of the mixing and dispensing chamber. By stirring thoroughly with the applicator, create a homogeneous, streak-free mixture of the two liquids.

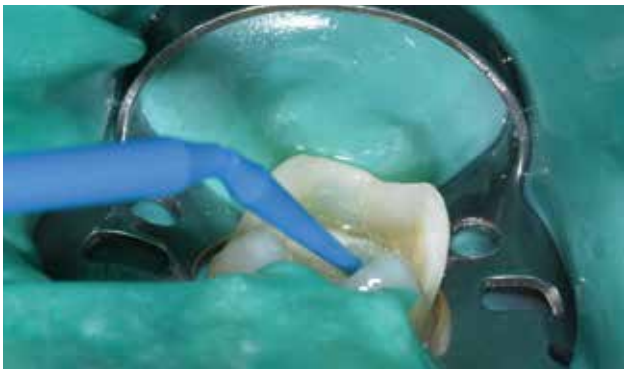

Fig. 06: Apply the adhesive homogeneously to all cavity surfaces and rub in for 20 seconds using the SingleTim.

Fig. 07: Dry off the adhesive layer with dry, oil-free air for at least 5 s in order to remove any solvents.

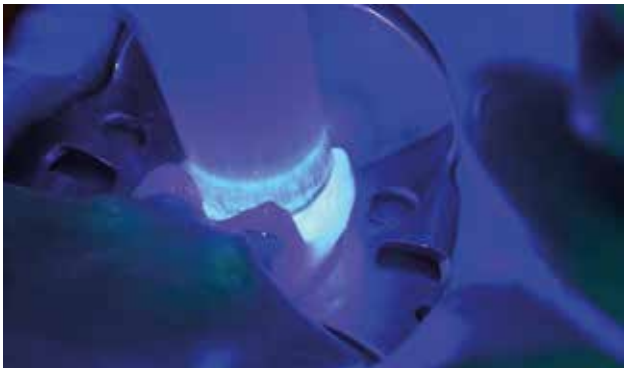

Fig. 08: Cure the adhesive layer for 10 s using a commercially available polymerisation device (LED or halogen light with an output of > 500 mW/ cm²).

Fig. 09: Taking the light-curing material for the posterior bulk filling (4mm) off the rotary syringe.

Fig. 10: The light-curing posterior bulk-fill material (4mm) x-tra fil

Fig. 11: The cavity will be filled with x-tra fil (universal colour) by using the incremental technique.

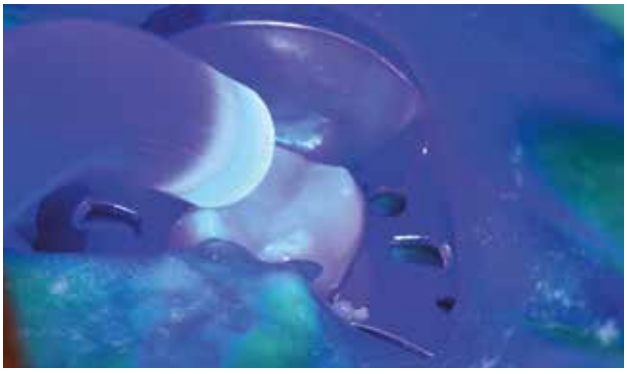

Fig. 12: Polymerise each increment for 10 s.

Fig. 13: Filled cavity with x-tra fil before preparation

Fig. 14: Finishing and polishing of the composite filling

Fig. 15: Finishing and polishing of the composite filling

Fig. 16: Final result: Finished restoration with x-tra fil, tooth 47