17. The first step of the polishing procedure begins with a silicon polishing point.

18. Final polishing can be achieved with diamond paste on a goat-hair disc, applied at 9,000 rpm.

19. Final view of the restoration.

TCNVIPC
TNCIGFT2
Hu-Friedy

Air Block
SHINY G
Micerium

Brush
SHINY S
Micerium

COSPEN13
Micerium

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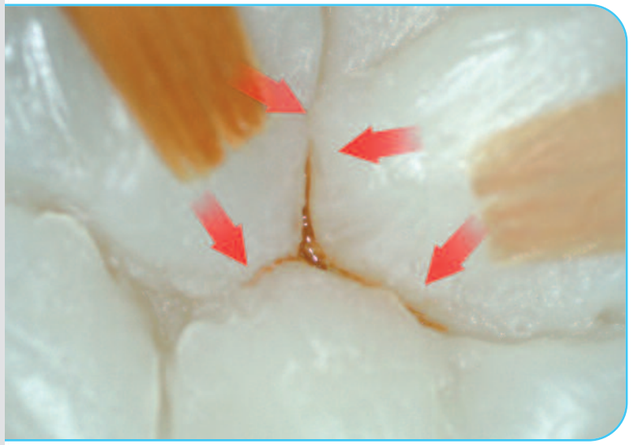
CLEARFIL MAJESTY™ Posterior

A clinical guide to layering and finishing for artistic direct composite restorations.



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Clinical Lecturer of Tokyo
Medical and Dental University

Recommended Polishing Procedure CLEARFIL MAJESTY™ Posterior

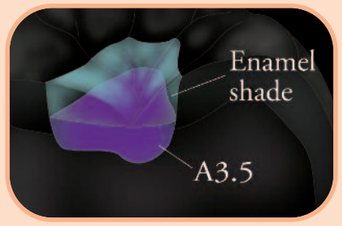
The new hybrid composite makes ultra-strong posterior restorations possible. CLEARFIL MAJESTY™ Posterior supports a long tooth-life due to superior physical properties, low polymerization shrinkage and a low thermal expansion coefficient. Thanks to the innovative Nano Dispersion Technology, it has a unique high filler load of 92wt% (82 vol%).
However, with CLEARFIL MAJESTY™ Posterior special attention must be placed on filling and polishing as the material has a high filler load. Especially esthetic restorations will be possible using the step-by-step instructions as shown below.

If the filling takes more time than usual, move the light out of the mouth and keep it at a safe distance in order to prevent the paste from being exposed to strong light so as to avoid polymerization of the material.

1. Preoperative view of the defective inlay restoration on the mandibular first molar.

2. After the bonding procedure, a small amount of flowable composite is applied

3. The flowable composite is then light-cured.



4. The thickness of the enamel layer increases from the fissures to the cusps. Polychromatic restoration is possible due to the gradation effect.

5. The first layer is filled with shade A3.5 composite. The layer can be divided into increments according to cavity depth.

6. The composite resins should be light-cured in each increment.

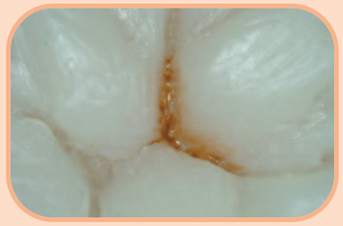
7. The second layer is filled with Enamel shade composite resin. It can be divided into increments.

8. Fissures are engraved and cusps are contoured with a composite instrument.

9. After contouring, the surface of the composite is smoothed with a brush. The fissures are wide open at this stage.

10. The brush is moved from the center of the tooth to the cusp with a uniform action and with light pressure. It is necessary to brush the composite several times in order to obtain a smooth surface.

11. A brown tinted resin is applied with an endodontic file into the fissures to receive a more natural appearance.



12. Close up view of the brown tinted resin and preformed wide fissures.

13. After applying the brown tinted resin, close the fissures to their natural narrow form by pushing the composite with the brush, applied with a careful motion.

14. After finishing the contouring, an air block material (AirBlock, Micerium, Italy) is placed on the surface of the composite.

15. After light curing. Note that a smooth surface has been attained before the polishing procedure.

16. Excess composite can be removed with a scalpel.