New anterior microfill

Introduced in the early 1980’s microfill restoratives have proven to be an excellent choice for anterior restorations where aesthetics are of primary concern. In the restoration of class V cavities and cervical erosions, studies and clinical practice have shown the excellent longevity of microfill restoratives. A new microfill restorative, based on the proven 3M™ Silux Plus™ Anterior Restorative concept, is added to the 3M Filtek restorative family, Filtek A110 anterior restorative is offered in dentine and enamel shades, in syringes and capsules, to optimise long-term aesthetic results.

1 This patient needed new anterior restorations. Instead of a universal restorative the new microfill was chosen to have more possibilities with the different opacities and shades.

2 Rubberdam was placed and the cavities were prepared.

3 Before acid etching a 3M Sectional Matrix was inserted and fixed with a wooden wedge.

4 Phosphoric acid was applied to the enamel and dentine for 20 seconds, and then rinsed away with water.

5 The surfaces were then gently blotted dry with a cotton pellet to prevent desiccation of the dentine. The typical chalky white enamel appearance is not expected with these bonding systems.

6 Scotchbond 1 adhesive was applied to all surfaces and then gently dried with the air syringe.

7 The adhesive was then light cured for 10 seconds.

8 The restorations were completed with two layers of Filtek A110 anterior restorative. The first in a dentine shade to mimic the dentine. The second in the same shade but enamel opacity.

9 The use of a filling material with different opacities gave a very life-like appearance to the restorations.