

Aesthetic Restoration of a Class IV Fracture Using a Direct Bonding Technique



Joyce L. Bassett, DDS

- Shade selection was registered prior to the dehydration of the tooth to ensure optimal color matching.
- A bevel margin was created and then “scalloped” to conceal the fracture line upon placement of the Amaris composite (Voco).
- The desired shade was re-evaluated upon completion of the dentin layer, and selection of the corresponding enamel layer was conducted to match the adjacent incisors.
- If the base (ie, dentin) layer of the Amaris (Voco) buildup had appeared lighter than the adjacent teeth, it could have been darkened or lightened to a better match using a darker or lighter enamel shade, respectively.



Base shade for the direct resin buildup is determined using the tabs from the selected resin system



A bevel margin is placed along the fracture line, which will be concealed in the direct resin buildup

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The dentin layer of Amaris composite (Voco) is placed and contoured to proper thickness for natural light transmission



A gold composite instrument is used to adapt the dentin and enamel layer of Amaris composite resin (Voco)



The fracture line is rendered imperceptible in the definitive restoration due to aesthetic layering of composite resin



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