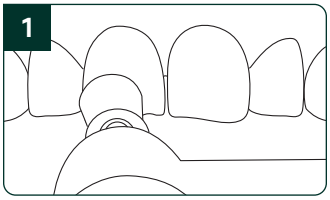
solventum

Solventum™ Filtek™ Matrix

Step-by-step protocol

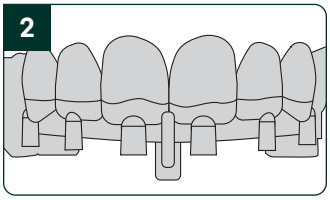
Composite filling technique

1



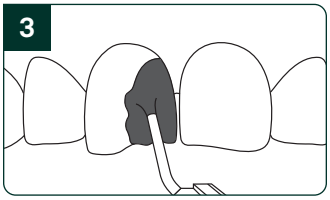
Remove biofilm.

2



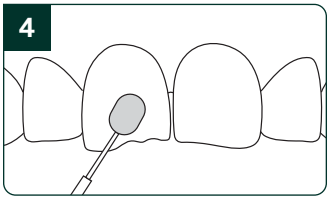
Try-on anterior matrix to ensure fit, then remove matrix (see steps 5, 6 and 12).

3



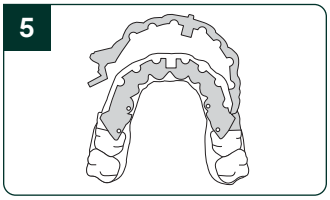
Apply and rinse etchant on teeth to be restored.

4



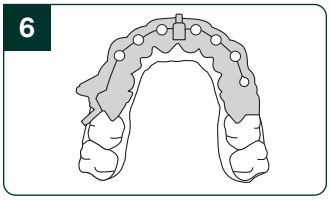
Apply bonding agent 20 seconds, air thin, light cure 10 seconds per surface (facial and lingual).

5



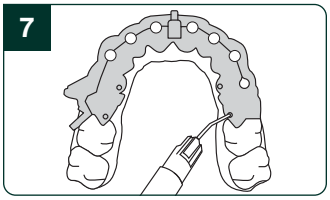
Place lingual side of the matrix to coincide with the appropriate teeth.

6



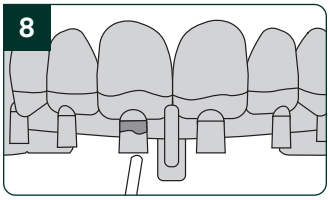
Wrap the labial side of the matrix and connect at midline. Continue to wrap to the distal clamp and click the matrix securely in place.

7



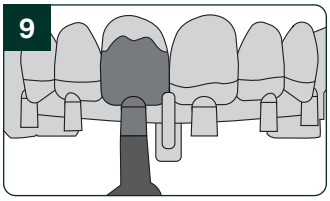
Optional. If matrix rocks, apply bonding agent 20 seconds, air thin, light cure 10 seconds. Inject flowable into stability hole and light cure for 10 seconds.

8



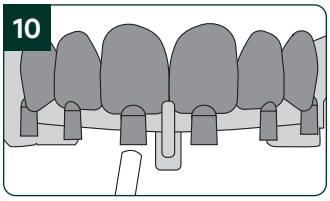
Fill each incisal port about 1/3–1/2 with flowable composite to act as a lubricant. For best results and minimal flash, do not fill port completely or inject flowable into the matrix beyond the incisal port.

9



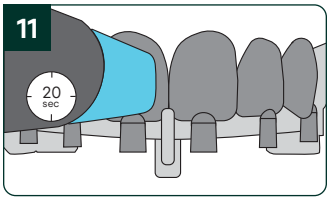
Fully insert capsule tip and slowly inject warmed or room temperature universal composite into each incisal port and fill to the gingival seal of the matrix.

10



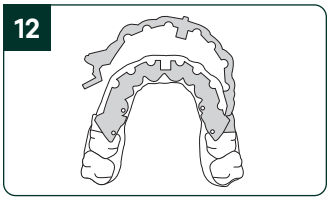
Remove excess composite from outside the incisal port with an instrument. Using a brush, aggressively wipe away excess material from the gingival area of the matrix on both facial and lingual.

11



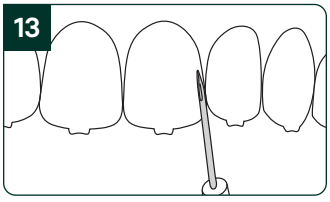
Light cure for 20 seconds per surface, facial and lingual.

12



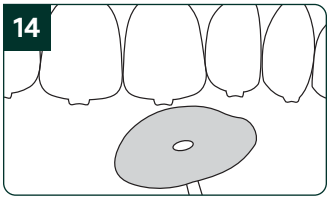
Remove matrix by opening the distal clasp and gently detaching the labial section of the matrix, then loosen the lingual section and lift the matrix off.

13



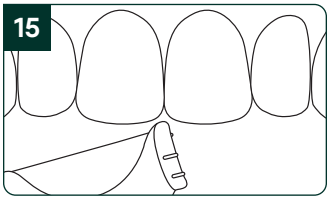
Remove flash from the facial gingival areas using a flame finishing bur or flame diamond bur. Remove excess flash from lingual with barrel finishing bur or diamond bur.

14



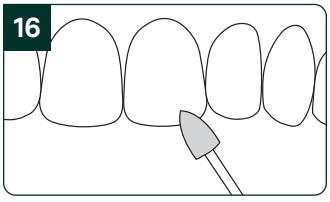
Remove incisal excess with a coarse disc (e.g. Sof-lex™) or bur. Use medium disc to remove oxygen inhibition layer followed by fine disc to refine the facial and lingual surfaces and create a uniform appearance.

15



Use an interproximal saw and/ or strip to remove interproximal flash and create smooth contacts.

16



Choose one of the many final polishing systems to create a final polish and shine (e.g. Sof-Lex™ Discs, Spirals, points, cups).

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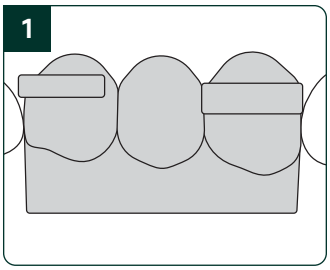
Solventum™ Filtek™ Matrix

Step-by-step protocol

Bicuspid restoration

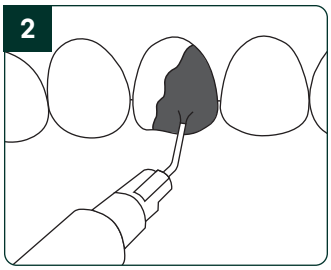
A customized, patient-specific matrix system for use in cases involving composite veneers and composite diastema closures.

1



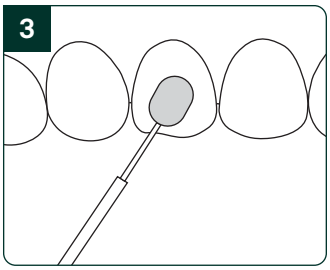
Try on matrix to ensure proper fit and seat.

2



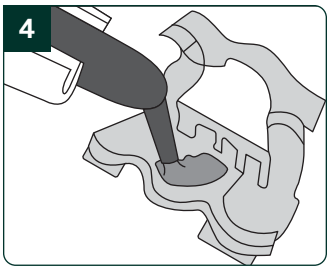
Apply and rinse etchant on teeth to be restored.

3



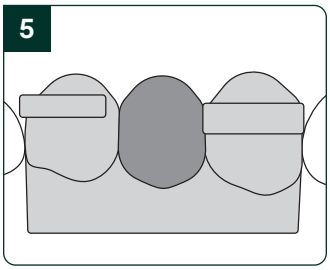
Apply bonding agent 20 seconds, air thin, light cure 10 seconds per surface (facial and lingual).

4



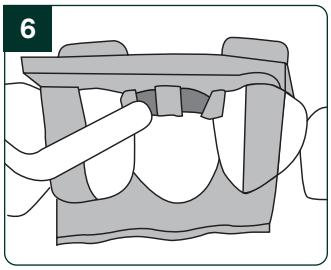
Fill with universal composite up to the rim.

5



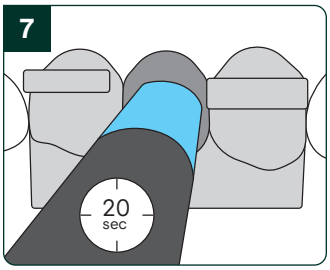
Place matrix on tooth to be restored. Make sure the matrix is fully seated both occlusally and facially.

6



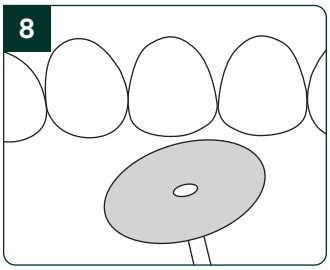
Remove excess composite from occlusal vent hole and around gingival margin.

7



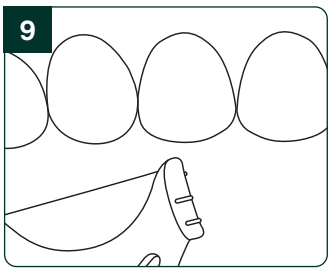
Light-cure for 20 seconds per surface (facial and occlusal) and remove the matrix.

8



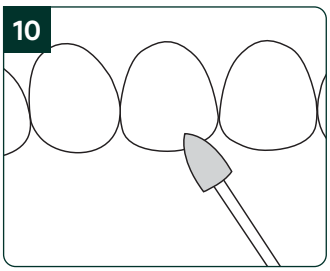
Remove gingival flash with a carbide finishing or diamond bur. Use medium disc to remove oxygen inhibition layer followed by fine disc to refine the facial and lingual surfaces and create a uniform appearance.

9



Use an interproximal saw and/or strip to remove interproximal flash and create smooth contacts.

10



Choose one of the many final polishing systems to create a final polish and shine (e.g. Sof-Lex™ Discs, Spirals, points, cups).

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