**Preparation:**

**Apply liner/base if desired:**
- Mix a level scoop of Vitrebond powder and a drop of Vitrebond liquid on a mixing pad.
- Apply a thin layer of the liner/base to dentin surfaces using a ball applicator.
- Light-cure for 30 seconds.

**Etch:**
- Apply Scotchbond™ Etchant to enamel and dentin—wait 15 seconds. Etchant on Vitrebond until not deleterious.
- Rinse.
- Remove excess water with an air syringe or by blotting. Leave moist.

**Prime:**
- Apply Adper Scotchbond Multi-Purpose Primer to enamel and dentin.
- Dry gently for 5 seconds (*no waiting*). Surface will appear shiny.

**Bond:**
- Apply Scotchbond Multi-Purpose adhesive to enamel and dentin.
- Light-cure for 10 seconds.
Place and light-cure 3M™ ESPE™ Z100 Restorative incrementally:
• Place matrix band, wedge and small first increment.
• Continue incremental placement.
• For optimum wear resistance, cure final increment for 60 seconds.
• After removal of matrix band, proximal curing is recommended.

Finish and Polish:
• Finish occlusal surface using a Sof-Lex Finishing Brush.
• Finish proximal surfaces with Sof-Lex Extra Thin Discs and Strips.

• Check Occlusion.
• Check lateral and centric occlusion.
• Adjust if necessary.

<table>
<thead>
<tr>
<th>Shade</th>
<th>Thickness (mm)</th>
<th>Cure Time (sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0, 3.0, 3.5</td>
<td>2.5</td>
<td>40</td>
</tr>
<tr>
<td>B 2.0, 3.0</td>
<td>2.5</td>
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<tr>
<td>C 2.0</td>
<td>2.5</td>
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<tr>
<td>D 3.0</td>
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<td>P</td>
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<td>I</td>
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<tr>
<td>A 4.0</td>
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