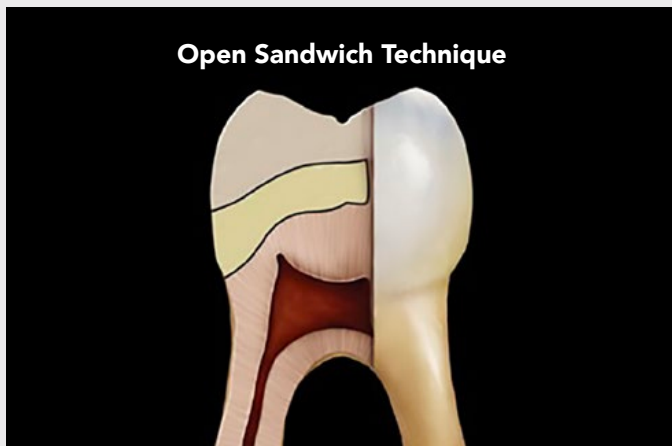
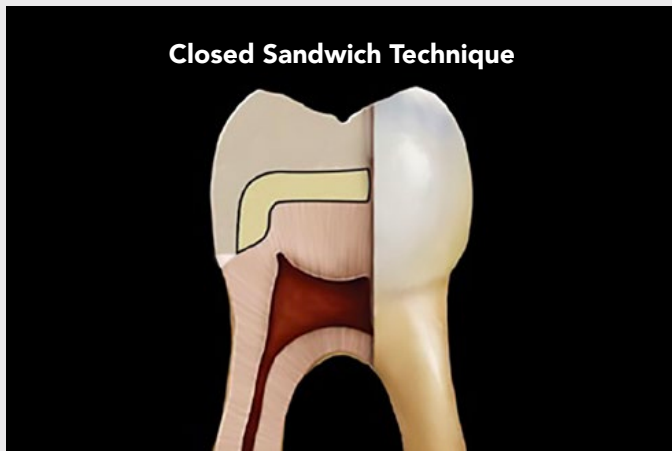


# The Sandwich Technique

The Best of Both Worlds



The sandwich of glass ionomer cement or glass hybrid and composite resin is an effective technique that optimally combines the desirable properties of the restorative materials.<sup>1</sup>

- Reduced post-operative sensitivity
- Pulpal protection from irritation<sup>2</sup>
- Fluoride release over time<sup>3</sup>
- Prevention of demineralization
- Remineralization of affected dentin
- Rapid placement and curing of a single bulk layer

The Sandwich Technique can be used in extensive Class I, Class II, Class III, Class V and subgingival cavities that are difficult to isolate.

## Leading Independent Reviews Confirm the Benefits of the Sandwich Technique:

- Placement of moisture tolerant glass ionomer restorative in subgingival interproximal boxes
- Reduced microleakage compared to composite-only techniques<sup>4</sup>
- Zone of inhibition adjacent to the glass ionomer<sup>5</sup>



1 Giachetti et al. A review of polymerization shrinkage stress: current techniques for posterior direct resin restorations. Journal of Contemporary Dental Practice, Volume 7, No. 4, 2006. 2 Suzuki et al. Glass ionomer composite sandwich technique. Journal of the American Dental Association, Volume 120, 1990. 3 Berg JH. Glass ionomer cements. Pediatric Dentistry, Volume 25, No. 5, 2002. 4 Hagge et al. Effect of four intermediate layer treatments on microleakage of Class II composite restorations. General Dentistry, Volume 49, No. 2, 2001. 5 Tantbirojn et al. Inhibition of dentin demineralization adjacent to a glass-ionomer/composite sandwich restoration. Quintessence International, Volume 40, No. 4, 2009.

# Clinical Step-by-Step Guide

The Sandwich Technique may be open or closed

## Indications of Open Sandwich:

1. Preparation margins are in dentin
2. Proper isolation is impossible
3. Managable/neutral oral pH

## Indications for Closed Sandwich:

1. Preparation margins in enamel
2. Proper isolation is possible
3. Acidic/uncontrollable pH



Class II preparation with deep subgingival box.



Placement of GC Fuji II LC® in box to the gingival margin and occlusally.



Light-curing of GC Fuji II LC®.



Apply G-Premio BOND™, then place G-ænial™ A'CHORD composite, followed by light-curing.



Final, esthetic glass ionomer and composite sandwich technique restoration.



Class II preparation with shallow supragingival box.



Placement of EQUIA Forte® HT occlusally.



Self-curing of EQUIA Forte® HT.



Apply G-Premio BOND™, then place G-ænial™ A'CHORD composite, followed by light-curing.



Final, esthetic glass hybrid and composite sandwich technique restoration.

GC Fuji IX GP® and GC Fuji LINING™ LC are also suitable for the sandwich technique.

<b>G-ænial™ A'CHORD Unitip Refills (contains 15 unitips):</b> 952244 A1 952245 A2 952246 A3 952247 A3.5 952248 A4	<b>GC Fuji II LC® 24-Capsule Assorted Packages:</b> 436400 Light Shades (5 capsules each of A1, A2, A3, B2, and 4 C2).
<b>G-ænial™ A'CHORD Syringe Refills (contains 1 syringe):</b> 952230 A1 952231 A2 952232 A3 952233 A3.5 952234 A4	<b>GC Fuji II LC® 48-Capsule Refills:</b> 000138 A1 000139 A2 000140 A3 000141 A3.5
<b>G-ænial™ A'CHORD Core Kits:</b> 952259 Syringe Core Kit (five syringes each of A1, A2, A3, A3.5, A4) 952264 Unitip Core Kit (15 unitips each of A1, A2, A3, A3.5, A4)	<b>EQUIA Forte® HT Fil 48-Capsule Refills:</b> 453010 A1 453011 A2 453012 A3 453014 B1 453016 B3 453000 Assorted (10 capsules each of A2, A3, A3.5, and 9 capsules each of B1 and B3)