



◀ Danielle Brown, DDS  
Glidewell Resident Dentist

**BruxZir®**  
*esthetic*  
VENEERS

## The Complete Clinical Guide

Everything you need to use BruxZir® Esthetic Veneers with confidence —  
from bonding protocols and prep guides  
to clinical best practices  
and the science behind it all.



Natalie | Dentistry by Justin Chi, DDS, CDT  
BruxZir Esthetic Veneers on teeth #4-13

# Beauty, Strength and Simplicity.

Zirconia's not often thought of as the go-to material for veneers. It's perceived as limited in translucency, which results in less natural, flatter esthetics, and as having a difficult bonding protocol.

BruxZir® Esthetic Veneers shift what's possible with zirconia. By following the simple protocol outlined in this clinical guide, BruxZir Esthetic is guaranteed to deliver both lasting strength and lifelike beauty for your anterior veneer cases.

## Natural Esthetics

Engineered for anterior brilliance, translucency and vitality — while still capable of masking dark stump shades.

## Predictable Bonding

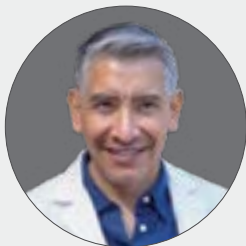
Simplified handling with proven protocol for confident results every time.

## High Strength

74% stronger than the leading glass ceramic.

|                               | BruxZir Esthetic Veneers             | Leading Glass Ceramic Veneers    |
|-------------------------------|--------------------------------------|----------------------------------|
| Flexural Strength             | 870 MPa                              | ~500 MPa                         |
| In-Lab Working Time           | 3 business days                      | 5 business days                  |
| Bonding Protocol              | MDP primer + universal bonding agent | Silane + universal bonding agent |
| Warranty                      | BruxZir Lifetime Warranty            | 7 years                          |
| Bruxers & High-Force Patients | Ideal                                | Not recommended                  |
| Masking Dark Substrates       | Yes                                  | No                               |

## Why Clinicians Make the Switch



“I used to prescribe IPS e.max®, but I had fracture issues. After switching to BruxZir Esthetic, the results were much better — esthetically and in strength.”

— Israel Mendoza, DDS | Richmond, Va.

# The BruxZir Difference



## AMERICAN-MADE QUALITY

BruxZir Esthetic Veneers are proudly made in the U.S., ensuring speedy case delivery and consistency you can count on.



## LIFETIME WARRANTY

Should you ever experience a challenge with your case, the lab will replace it for free.



## NO-FAULT REMAKE POLICY

If you're unsatisfied for any reason, Glidewell will remake your restoration for free.



Bobbie | Dentistry by Justin Chi, DDS  
BruxZir Esthetic Veneers on teeth #4-13

# 7-Year Recall

## Proof of Performance

Long-term clinical validation is the most critical metric for a restorative material. The following case documents a patient treated with BruxZir Esthetic Veneers who returned seven years after delivery for routine examination.



**Clinical Significance:** Glass ceramic veneers in bruxism-risk patients regularly chip or fracture between the third and fifth years. This case demonstrates that zirconia's superior performance characteristics translate directly to clinical longevity in high-force anterior situations — without sacrificing the esthetics that made the treatment worthwhile to the patient.



### Clinical Findings at 7-Year Recall

- ✓ Zero debonds across all veneers
- ✓ No chips or fractures
- ✓ No marginal discoloration
- ✓ No wear on opposing dentition
- ✓ Erosion and chipping fully prevented

# Patient Selection

## Ideal Candidates for Predictable Results

Patient selection is the first step to a successful outcome. BruxZir Esthetic Veneers are ideally suited for patients who present with one or more of the following clinical situations:

- ✓ **Discoloration or Staining**

Intrinsic stains unresponsive to whitening or those hard to mask with glass ceramics

- ✓ **Chipped or Worn Teeth**

Erosion, bruxism damage, or wear facets

- ✓ **Minor Misalignment or Gaps**

Diastemas or minor crowding

- ✓ **Undersized Teeth**

Microdontia, peg laterals, or disproportionate anteriors

- ✓ **Bruxers & High-Risk Patients**

870 MPa strength gives confidence where glass ceramic may fail



## Arthur

**Prior aligner therapy · Alignment issues**  
**Undersized teeth · Gaps**

After completing aligner therapy, Arthur sought further transformation to improve confidence and esthetics. Treatment included 10 BruxZir Esthetic veneers to address proportionality, close gaps, and deliver the natural smile he envisioned.

BruxZir Esthetic Veneers #4-13



BEFORE



AFTER

## Anna

**Crown lengthening · Undersized teeth**  
**Alignment concerns**

After completing crown lengthening to establish ideal gingival contours, Anna sought a comprehensive esthetic enhancement to improve symmetry, proportions, and overall smile harmony. Treatment included BruxZir Esthetic veneers on #4-7 and #10-13 with BruxZir crowns on #8-9 to refine shape, color, and balance.

BruxZir Esthetic Veneers #4-7, #10-13; BruxZir Esthetic Crowns #8-9



BEFORE



AFTER



# Clinical Tips

from Danielle Brown, DDS

## The Case for Chamfer Finish Lines

“For my veneer preps, I go with a chamfer margin — and for good reason. The round-end taper gives you a clean, unmistakable finish line that the lab can read with confidence, which means a better-fitting restoration. You get the bulk you need without sacrificing more tooth structure than necessary. That precision at the margin translates directly into predictable seating and long-term esthetic stability.”

## The Case for the Butt Joint Margin

“When durability and esthetics both matter — and with anterior veneers, they always do — the butt joint is hard to beat. By fully covering the incisal edge, you eliminate the chipping risk that plagues thinner margin designs, and you give the material the space it needs to express its full translucency. The result is uniform color and vitality from incisal to gingival. Yes, it asks for 1.5 mm of incisal reduction, but what you get back is a restoration that holds up and looks natural years down the line.”

## Margin Visibility and Scanner Access

The scanner and lab both need to be able to clearly read your interproximal finish lines. How you achieve this is a clinical judgment call, not a material requirement.

In most cases, subtle palatal positioning of the finish line will be enough. Light enamel contouring can prevent the digital bridging effect — where the scanner can't differentiate adjacent teeth — without fully breaking the contact.

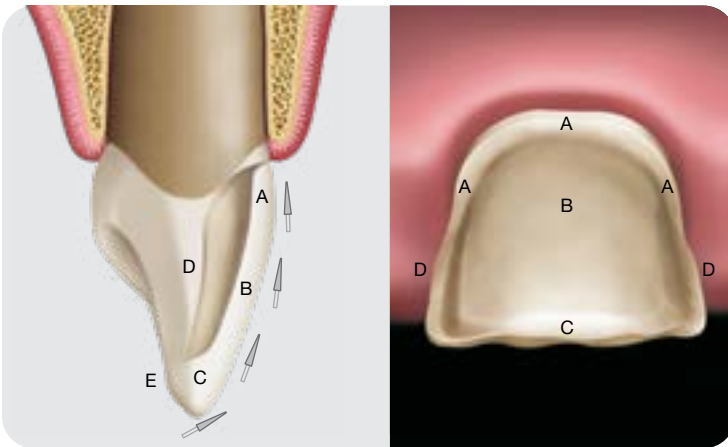
Limit full contact opening for situations where it's genuinely indicated: diastema closure, existing Class III/IV restorations or caries, or embrasures too tight for reliable margin capture. Even then, the opening is typically modest.



# Preparation Guidelines

BruxZir Esthetic Veneers support two proven preparation designs. Select based on the clinical situation, existing incisal length, and esthetic objectives.

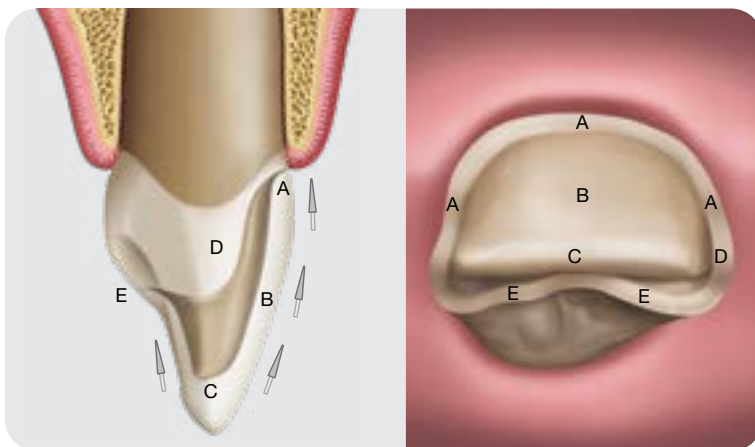
## Flat Incisal Edge Preparation (Recommended)



- A.** 0.5 mm reduction Chamfer margins
- B.** 1 mm–1.5 mm reduction cut along three planes. Ensure all finish lines are visible from facial-incisal path of insertion by eliminating undercuts.
- C.** 1.5 mm incisal reduction (from planned incisal edge position to avoid over-reduction). Butt joint inciso-lingual margin.
- D.** Extend halfway through contact area interproximally. Extend further lingual and break contact if there are defects (caries, cracks, existing restorations).
- E.** Lingual margin at least 1 mm away from opposing contact

To achieve optimal impression quality, ensure all finish lines are free from debris & gingival obstruction.

## Incisal Overlap Preparation



- A.** 0.5 mm reduction Chamfer margins
- B.** 1 mm–1.5 mm reduction cut along three planes. Ensure all finish lines are visible from facial-incisal path of insertion by eliminating undercuts.
- C.** 1.5 mm incisal reduction (from planned incisal edge position to avoid over-reduction). Butt joint inciso-lingual margin.
- D.** Extend halfway through contact area interproximally. Extend further lingual and break contact if there are defects (caries, cracks, existing restorations).
- E.** Lingual margin at least 1 mm away from opposing contact

To achieve optimal impression quality, ensure all finish lines are free from debris & gingival obstruction.

# Bonding Protocol

Recommended for Non-Retentive Preps (< 3 mm height, walls with excessive taper)

Follow our proven BruxZir Esthetic bonding protocol for strong, long-lasting adhesion.

| Restoration Preparation |                                                                                                                                                                                    | Tooth Preparation |                                                               |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------|
| Step 1                  | Confirm fit                                                                                                                                                                        | Step 1            | Etch: Phosphoric Acid                                         |
| Step 2                  | Glidewell BruxZir restorations are pre-roughened.<br>If purchased elsewhere or fabricated chairside, roughen intaglio surface (air particulate abrade, 30–60 micron Alumina Oxide) | Step 2            | Clean, Rinse and Isolate                                      |
| Step 3                  | Decontaminate intaglio surface: Air particle abrade, Ivoclean® or Sodium Hypochlorite                                                                                              | Step 3            | Desensitizer (optional)<br>Keep dentin moist                  |
| Step 4                  | Prime intaglio surface with Zirconia / MDP primer: Monobond® Plus, Z-Prime™ Plus, Scotchbond™ Universal                                                                            | Step 4            | Apply bonding agent: Scotchbond, Optibond™, Adhese® Universal |
| Step 5                  | Resin Cement: RelyX™ Ultimate or similar                                                                                                                                           |                   |                                                               |

BruxZir Zirconia

Restoration

Air Abrade  
(Check Lab)

Try-In

Decontaminate:  
Air Abrade, Ivoclean®,  
Sodium Hypochlorite

Zirconia/MDP  
Primer

Tooth

Etch

Clean, Rinse and  
Dry Enamel  
Leave Dentin Moist

Desensitizer

Bonding Agent

**⚠ CRITICAL**

Silane-only primers are for glass ceramics. Zirconia requires an MDP-containing primer



### Why You Need an MDP-Containing Primer

MDP (10-methacryloxydecyl dihydrogen phosphate) chemically bonds to zirconia oxide, dramatically improving adhesion. Options: Clearfil™ Ceramic Primer Plus, 3M™ Single Bond Universal, Z-Prime™ Plus, Monobond® Plus.

## ONE PRIMER FOR EVERYTHING

“Purchase a primer that contains both silane and MDP — Scotchbond Universal, Monobond Plus, and Clearfil Ceramic Primer Plus all qualify. Whether you’re delivering porcelain, glass ceramic, or zirconia, you’re always reaching for the same bottle. No second-guessing. No risk of your assistant handing you the wrong primer mid-cementation.”

— Danielle Brown, DDS

# Boost Veneer Case Acceptance with a Diagnostic Wax-Up



## The D-Wax Does the Talking

A Diagnostic Wax-Up (D-Wax) is an affordable, effective way to showcase future veneer results and turn a “maybe” into a confident “yes”.

These physical case mockups give you a chance to review tooth shape, smile line, occlusion, and vertical dimension before prepping — while your patient is wowed by seeing and touching their future smile.



## Dr. Brown's Top D-Wax Add-Ons

### Clear Reduction Matrix



- Designed for use over the prepared tooth
- Functions similarly to a reduction coping for individual crowns

### Prep Guide



- Helps in planning preparation
- Good for premolar veneer cases or posterior

“The number one question from doctors is, ‘What should my preps look like?’ That’s why the clear reduction matrix and the prep guide are essential. These tools guide you through exactly what you need — eliminating uncertainty around reduction.”

— Danielle Brown, DDS

# Frequently Asked Questions

## Can zirconia veneers bond reliably to tooth structure?

Yes — when the proven protocol is followed. The key steps are proper decontamination, MDP priming, and phosphoric acid etching. Glidewell pre-air-abrades all restorations before shipping, simplifying your chairside workflow.

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## What primer do I use for BruxZir Esthetic Veneers?

You must use an MDP-containing primer — never silane-only primers. Compatible options: Monobond® Plus, Z-Prime™ Plus, Clearfil™ Ceramic Primer Plus, or 3M™ Scotchbond™ Universal.

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## Do I need to break contacts when prepping for BruxZir Esthetic Veneers?

Not necessarily. The real requirement is margin visibility — the scanner and lab need a clear read on your interproximal finish lines. In many cases, subtle palatal positioning of the finish line or light enamel contouring is all it takes. Reserve full contact opening for situations that genuinely call for it: diastema closure, existing Class III/IV restorations, or embrasures too tight for reliable margin capture.

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## How does BruxZir Esthetic compare esthetically to glass ceramics?

BruxZir Esthetic is engineered specifically for the anterior. Clinicians consistently report no show-through, natural translucency, and equivalent or superior esthetics — with dramatically greater strength.

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## What if the veneer breaks? Is there a warranty?

BruxZir restorations include a Lifetime Warranty. If a restoration breaks for any reason, Glidewell will remake it at no charge — for the life of the patient.

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## How long is the turnaround time?

BruxZir Esthetic ships in just 3 business days — compared with 5 or more days for most glass ceramics.

# **BruxZir<sup>®</sup>** *esthetic* **VENEERS**

**PRESCRIBE 4+ UNITS → TAKE 20% OFF THE WHOLE CASE**

**Your Price: \$111.20\*/Unit**

\$139\*/Unit List Price

**Prescribe More.  
Save More.**