

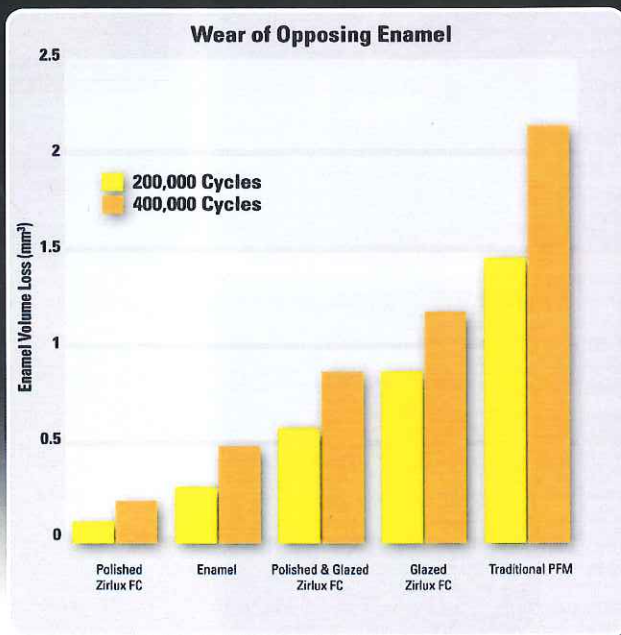
Prescribe Zirlux FC2 full contour zirconia to bring beauty to your high strength cases.

Benefits of Zirlux FC2

- High Strength ≥ 1100 MPa flexural strength
- Conservative preparations: 0.5 mm minimum thickness
- High translucency: increased esthetics
- Easily polished: provides low enamel wear
- Color throughout — no white spots
- Made in the USA

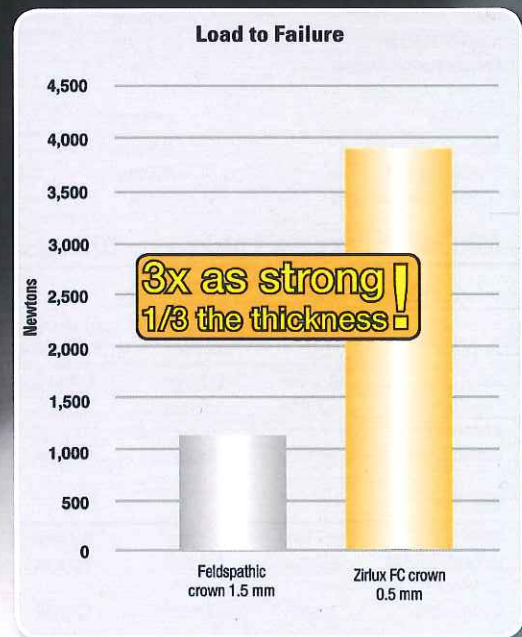


Low Wear



Dr. Burgess, et al.
26 Wear of Ceramics and Enamel in artificial chewing simulator AADR, Tampa, FL 2012

High Strength



* Ardent, Inc R&D 2011

For more information contact us at:
Biogenic Dental Corporation
282 Genesee Street, Utica, NY 13502
1-800-367-3322

*Excellence is not an option ...
It's a habit!*

Preparation Guidelines

GENERAL PREPARATION GUIDELINES FOR ALL-CERAMIC RESTORATIONS SHOULD BE FOLLOWED (FIG. 1 & 2):

1. Preparation should follow the anatomy of the tooth, providing at least the minimum thickness required for the respective restoration (Table 1). A 1.0 mm axial and occlusal reduction is considered ideal for full contour zirconia restorations.
2. A definitive finish line (shoulder with rounded internal line angles or chamfer) is recommended. Feather edge preparations are acceptable.
3. All sharp edges and line angles should be rounded.

TABLE 1

Minimum Zirconia Thickness - Crowns

Anterior	Crowns
Axial	0.5 mm
Incisal/Occlusal	0.5 mm
Connector Dimensions	n/a
Posterior	Crowns
Axial	0.5 mm
Incisal/Occlusal	0.5 mm
Connector Dimensions	n/a

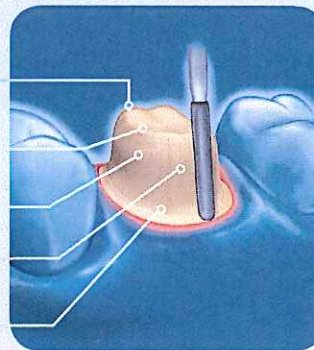
Minimum Zirconia Thickness - Bridges

	3-Unit	≥4 units with max 2 connected pontics	Cantilever with 1 pontic
Anterior			
Axial	0.5 mm	0.7 mm	0.7 mm
Incisal/Occlusal	0.7 mm	1.0 mm	1.0 mm
Connector Dimensions	7 mm ²	9 mm ²	12 mm ²
Posterior			
Axial	0.5 mm	0.7 mm	0.7 mm
Incisal/Occlusal	0.7 mm	1.0 mm	1.0 mm
Connector Dimensions	9 mm ²	12 mm ²	12 mm ²

Ideal Chamfer Margins

FIGURE 1

- Occlusal reduction
1.0 mm ideal
0.5 mm minimum
- Rounded internal line angles
- Taper between 4° and 8°
- Axial reduction
0.5 mm to 1.5 mm
- Reduction of ≥ 0.5 mm at gingival margin



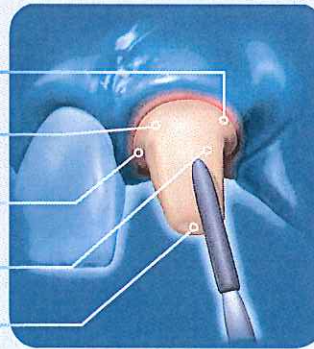
Feather Edge Margin



Feather edge margin
≥ 0.5 mm gingival reduction

FIGURE 2

- Chamfer/shoulder preparation or feather edge
- Rounded internal line angles
- Reduction of ≥ 0.5 mm at gingival margin
- Axial reduction
0.5 mm to 1.5 mm
- Incisal reduction
0.5 mm to 2.0 mm



For more information, call us at **800-496-9500**
or visit **www.zirlux.com**