

# PREPARATION GUIDE

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MicroDental is pleased to offer this preparation guide to illustrate the clinical protocol for some of today's most requested restorative alternatives. We encourage you to refer to this guide during preparation to ensure an esthetic, comfortable, and functional result.

# **INLAYS/ONLAYS**

- e.max®
- Composite



# **INLAYS/ONLAY BRIDGES**

- Composite
- PFM

Establish outline form with modified shoulder bur; medium

Minimum 1.5 mm-2.0 mm depth\* 3.0 mm to 4.0 mm isthmus with divergent walls

\*2.0 mm to 2.5 mm for fiber reinforcement from deepest occlusal pit

360° shoulder or deep



# **ANTERIOR CERAMIC CROWNS**

- P2Z (Zirconia)

chamfer with rounded - ZEUS internal line angles Minimum 1.5 mm facial and lingual reduction 90°-120° 2.0 mm deep incisal chamfer or reduction shoulder of with 3°-6° 1.0 mm taper Rounded anterior incisal edge (1.0 mm in width)

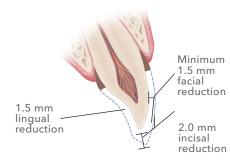
- e.max
- ZEUS Ultra



facial reduction low force area, to 1.5 mm high force area

incisal reduction

## **PFM**



3.0 mm to 4.0 mm gingival

floor width

For porcelain margins, utilize a deep chamfer or shoulder preparation

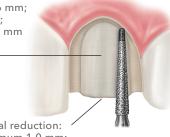
# **VENEERS**

- e.max
- ZEUS Ultra

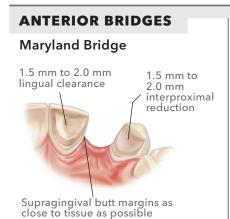


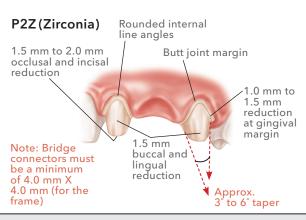
- To reduce black triangles or when tooth size discrepancy is an issue, please break contacts.
- The margins should be equigingival or not more than 0.5 mm subgingivally.

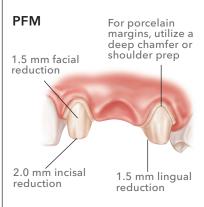
Facial reduction: ZEUS Ultra Minimum 0.6 mm; e.max Minimum 0.3 mm; Cutback - 1.0 mm to 1.5 mm



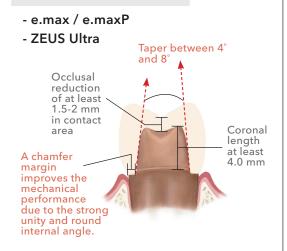
Incisal reduction: Minimum 1.0 mm; (Full-countour: 0.5 mm) Cutback - 1.5 mm to 2.0 mm







# **POSTERIOR CROWNS**



**Conventional Cementation Preparation** 

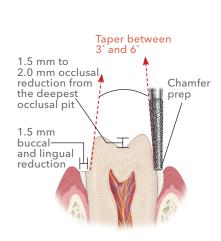
# Margin: 1 mm chamfer Occlusal reduction 1.5 mm to 2 mm in contact area

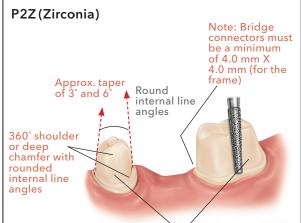
**Conventional Cementation Preparation** 

# PFM



# P2Z (Zirconia)





**POSTERIOR BRIDGES** 

Note: Bridge PFM connectors must be a minimum of 3.0 mm X Approx. 3.0 mm (for taper of the frame) 3° and 6 Round internal line angles 360° shoulder or deep chamfer 1.5 mm proximal with rounded reduction internal line angles

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1.5 mm buccal, lingual and margin reduction