PREPARATION GUIDE

MICRODENTAL LABORATORIES

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.

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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

360° shoulder or deep

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



Proximal/gingival margin smoothed with tissue-protective flat end; medium

3.0 mm to 4.0 mm gingival floor width

ANTERIOR CERAMIC CROWNS

- P2Z (Zirconia)
- ZEUS

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

- e.max
- ZEUS Ultra

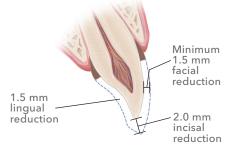


0.5 mm facial reduction low force area, to 1.5 mm high force area

Minimum

1.0 mm to 2.0 mm incisal reduction

- PFM



For porcelain margins, utilize a deep chamfer or shoulder preparation

VENEERS

- e.max



incisal edge (1.0 mm in width)

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



- 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.

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

- Feldspathic(Thin)

Feldspathic is a foil technique process and can also can be pressed to as thin as 0.3mm for veneers. If sufficient space is present, feldspathic can be bonded over the existing teeth without the removal of any tooth structure.



Depending on the case requirements, however, some teeth may need to be prepared to accomodate for the thickness of the ceramic and to ensure for proper contour and emergence profile.

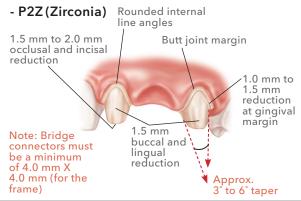


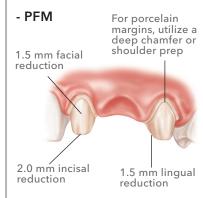
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ANTERIOR BRIDGES

- Maryland Bridge

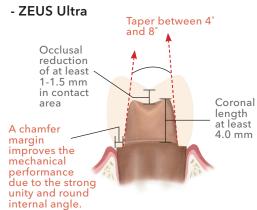






POSTERIOR CROWNS

- e.max / e.maxP



Conventional Cementation Preparation

- ZEUS

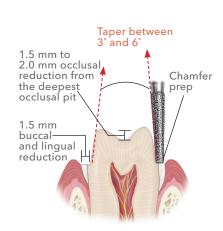


Conventional Cementation Preparation

- PFM



- P2Z (Zirconia)



POSTERIOR BRIDGES

