

Design Material Standards

Element-Z

- 0.6 mm minimum thickness
- No more than 4 consecutive pontics (Anterior)
- No more than 2 consecutive pontics (Posterior)
- Max pontic span is 25 mm (abutment to abutment)

Tetra-Z

- 0.6 mm minimum thickness
- No more than 4 consecutive pontics (Anterior)
- No more than 2 consecutive pontics (Posterior)
- Max pontic span is 25 mm (abutment to abutment)

Tetra-Z Lingual

- 0.6 mm frame/substructure – 0.6 to 1 mm of porcelain on the facial minimum thickness
- Contacts should be in zirconia
- Pontic ridges should be in zirconia with a small lip of porcelain
- No more than 4 consecutive pontics (Anterior)
- No more than 2 consecutive pontics (Posterior)
- Max pontic span is 25 mm (abutment to abutment)
- Liner space – 0.15 mm (check liner space box in finalize stage)
- Uncheck remove undercuts on the finalize stage

Ultra-Z

- 0.6 mm minimum thickness
- No cantilevers in the posterior
- No Maryland bridges if they are posteriors or cuspids
- No more than 1 consecutive pontic
- No posterior bridges (Bicuspid are okay, no molar pontics)

Example: #3-#5 Ultra-Z Bridge is fine with #3 as an abutment;
#2-#4 Ultra-Z bridge is not okay with #3 as molar pontic.

Lisi-Press

- 0.8 mm minimum thickness
- Onlay/Inlay .25 mm minimum thickness
- No more than 1 consecutive pontic
- Max bridge span is 4 units
- No Cantilevers in the Posterior
- No Maryland bridges if they are posteriors or cuspids
- Maryland bridge pontics must be designed out of occlusion
- No posterior bridges with molar pontics
- No rests

Waxup/Temporary

- All waxups and temporaries must be bridged
- Waxups – 0.35 mm thickness
- Temporaries – 0.5 mm minimum thickness

Full Cast/Gold

- Non-Precious – 0.3 mm minimum thickness
- Precious – 0.3 mm minimum thickness
- Never take occlusion out more than 0.25 mm

PFM

- Frame/Substructure 0.3 mm minimum thickness
- 1 mm of porcelain on the facial
- 0.3 minimum thickness if metal occlusal
- No metal on contacts – porcelain only
- Pontic ridges and metal lingual pontic ridges must always be porcelain (no metal on ridges)
- Scallop bridges with 2 or more pontics
- Liner space – 0.30 mm (check liner space box in finalize stage)
- Uncheck remove undercuts on the finalize stage
- No inlays/onlays