

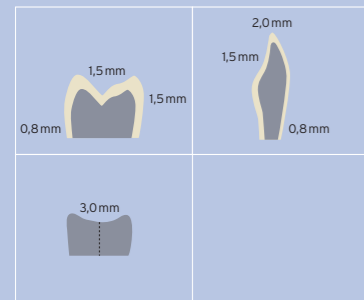
Processing

Bridges and crowns made of zirconium oxide are individual precision items and can easily be processed.

Preparation

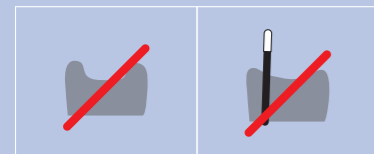
General

- _ preparation suitable for ceramic, i.e. avoids sharp corners, edges and internal corners
- _ circular chamfers with cervical edge of at least 0.8 mm
- _ circular shoulder with rounded internal corners
- _ occlusal and incisal reduction for faced crowns: 1.5 mm to 2.0 mm
- _ Minimum stump height: 3 mm



Contraindications are

- _ deep cavities in the occlusal area
- _ rising chamfers („gutter preparation")
- _ Finished margins



Preparing the framework

After examining the fit, contact points and occlusion, the inner surfaces of the crown are cleaned using corundum blasting (aluminium oxide, 110 µm, pressure 2 bar) followed by evaporation

Fixing

Conventional cementing:

Due to the high degree of rigidity and stability of Ceramill ZI frameworks, conventional fixing with

- _ zinc oxide phosphate cement or
- _ glass ionomer luting (e.g. GC Fuji Plus) is possible in most cases.

With conventional cementing, make sure that there is sufficient retention and that the minimum stump height is 3 mm!

Adhesive fixing:

For adhesive fixing, we recommend the fixing composites Panavia® 21 or Panavia® F 2.0 due to their excellent adhesion with the zirconium oxide framework material.

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zirconium oxide in practice

valuable information for the dentist



– Ceramill System

With this system, your trusted dental laboratory has at its disposal a system for the precise in-house manufacture of full-ceramic prostheses

– Ceramill ZI zirconium oxide

Zirconium oxide is a high-performance ceramic for the manufacture of bridges and crowns that possess the optimum technical and aesthetic features

– Simple processing

Only conventional technology is necessary to carry out the preparation, framework manufacture and attachment




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