

# IPS EMPRESS™

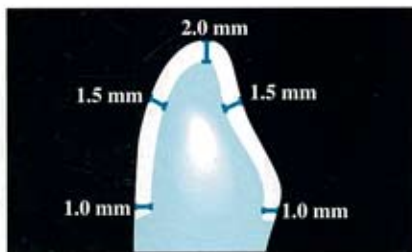
## PREPARATION REQUIREMENTS

### Anterior and Posterior Tooth Restorations (Crowns)

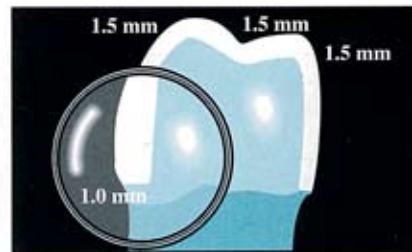
In the preparation of anterior and posterior teeth even reduction of the anatomic form must occur.

#### General Observations:

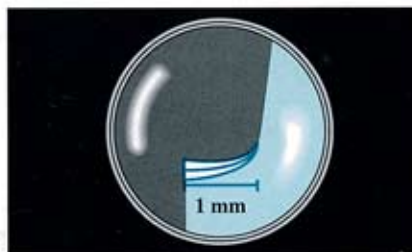
- Provide enough room for the IPS Empress ceramic to allow adequate strength.
- Avoid sharp internal edges and angles.
- Avoid undercuts.
- Maintain shoulder preparation with butt joint margins.



Anterior Tooth

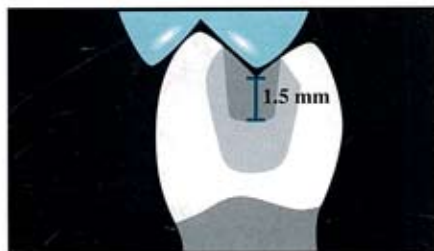


Posterior Tooth



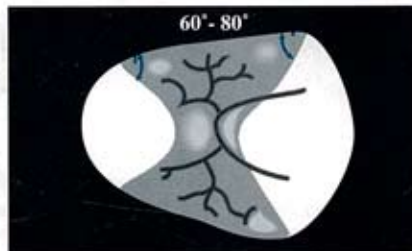
#### Preparation Margins

A shoulder preparation of 1 mm at a 90-110° angle must be executed. Avoid tapered margins, feathered edges or beveled shoulders.



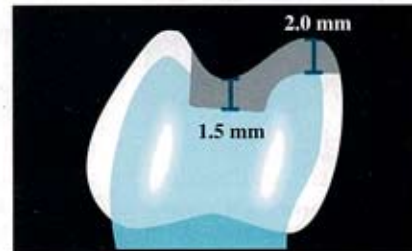
#### Inlay Restorations

The enamel surfaces created by parallel preparation are generally sufficient for acid etching. With flat cusps, a diverging preparation helps optimize the acid etching of the enamel.



#### Proximal:

Prepare proximal boxes with 60–80° cavosurface angles. Avoid thin walls or flared preparations.



#### Onlay Restorations

An onlay preparation is indicated when the preparation margin is less than 0.5 mm away from the cusp tip or when the enamel is severely undermined.



#### Veneer Restoration

In the preparation of veneers, remember:

- Veneer thickness approx. 0.6 mm
- Provide a chamfer at the gingival margin
- In stress bearing areas reduce tooth surface to provide bulk of ceramic for function.

#### Cusp Reduction

Cusp reduction of 2.0 mm is recommended.