

FRAGILE
HANDLE WITH CARE

Care and Seating of All-Ceramic Restorations

Every all-ceramic restoration is fragile and should be treated with care prior to permanently seating. After cementation or bonding, the restoration can be treated more like a PFM.

Confirming Fit:

- Check the case on the solid model and on the working die model for occlusion and contacts prior to seating.

Adjustments:

- Adjust contacts with a green stone on a slow-speed handpiece (a high-speed diamond will cause micro-fractures in the porcelain).
- Avoid adjusting internal surfaces; alter the tooth, not the restoration.
- Do not adjust occlusion in the mouth until the restoration is bonded or cemented in place.
- Try-In:
- Remove temporary restoration if any and thoroughly clean the preparation.
 - Excess temporary material or cement can prevent the restoration from going to place and could fracture the porcelain.
- Only passive pressure should be used to seat the restoration in the mouth.
- Apply a thin layer of try-in paste and compare the shading to determine if there is an appropriate match.
- Evaluate fit and check the contacts. If seating a bridge, check for tissue blanching in the pontic area.
- Listen for cracking/chipping sounds while the patient puts pressure on the restoration.
 - If there is a chip at the margin, but the margins are sealed, send the restoration back for a simple repair.
 - If the margin is open, take a new impression; this will be a complete remake.
- After interproximal adjustments are made, wash out the water-soluble
 - paste from the restorations and the mouth with plenty of water.
- Proceed with the cementation process, and occlusal adjustments.

Cementation/Bonding:

- All final seating should be accomplished only with finger pressure.
- Acid etching of bondable restorations will already be accomplished by the lab.
- Clean internal surfaces of restoration with phosphoric acid after try-in.
- Apply silane on internal surface of bonded restorations to enhance chemical bond.
- Follow manufacturer's recommended steps to final seat restoration.

Trouble Shooting Tips:

- Avoid use of metal instruments to handle the restoration.
- Use a try-in paste to prevent contamination of etched surfaces.
- If you try veneers in with water or medium other than the try-in paste, the shade of the restoration is not going to look the same after bonding.
- Try-in paste is a must for patient satisfaction and acceptance.
- If restoration fails to fit passively in the mouth, but fits the solid model, please return it to the lab with a new impression.