University of Zurich[UZH]

Center of Dental Medicine
Clinic of Reconstructive Dentistry

Cementation lithium disilicate-reinforced glass ceramic

Preparation of the *$LiSi_2$* surface

Attention: adhesive surface should not be etched before final try-in

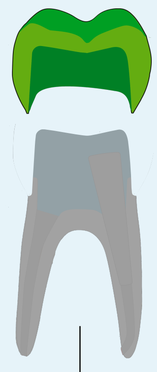
Clean the contaminated adhesive surface mechanically with **Ivoclean** for 30 sec, then spray with water and dry

Etching with 5% hydrofluoric acid **IPS ceramic etching** gel 20 sec., rinse with water spray

Ultrasonic bath (distilled water) for 5 min., then dry

Silanization: ***Monobond Plus*** for 60 sec., dispense with air

Apply ***Variolink Esthetic DC*** to the adhesive surface



Preparation tooth stump

if composite present:
CoJet / SilJet 30µm, 2.5bar, at 1cm distance,for 5 sec., rinse with water spray

Etching with 37% phosphoric acid
Enamel: 30 sec (not grinded: 60 sec)
Dentin: 15 sec.
spray with water (30 sec.), dry (leave dentin slightly damp)

if composite present:
Silanize with **Monobond Plus** for 60 sec, then dispense with air

Dentin:
1. **Syntac Primer**, 15 sec.
2. **Syntac Adhesive**, 15 sec.

Apply ***Heliobond*** for 20 sec, dispense with air until a shiny, stable surface is created

Soft lightcuring for 10 sec

Remove cement excess with pellet and dental floss, check position

Curing by light-polymerization (soft), for **20 seconds per mm of ceramic and segment** (from palatal, buccal, occlusal, interpproximal)

Before applying last light-curing: Cover restoration margins with **Oxyguard**