



**General instructions**

**Cementation of a zirconia crown**


**Required tools and materials**

 Sand blaster (aluminium oxide: grain size 110 µm; 3,5 bar)


 Swab

 Tool for removal of excess cement

 Steam cleaner

 Etching gel\*


 Light curing lamp

 Dry and oil-free compressed air ISO/DIN 7494-2:2014-03

 Universal primer\*

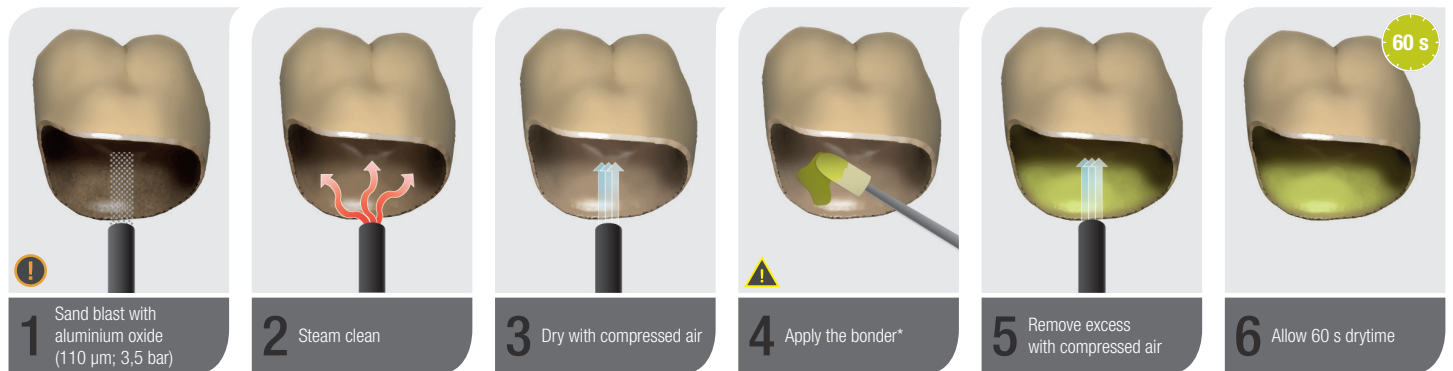
 Glycerine gel\*

 Universal bonder\*

 Adhesive cement of the latest generation or glass ionomer cement\*

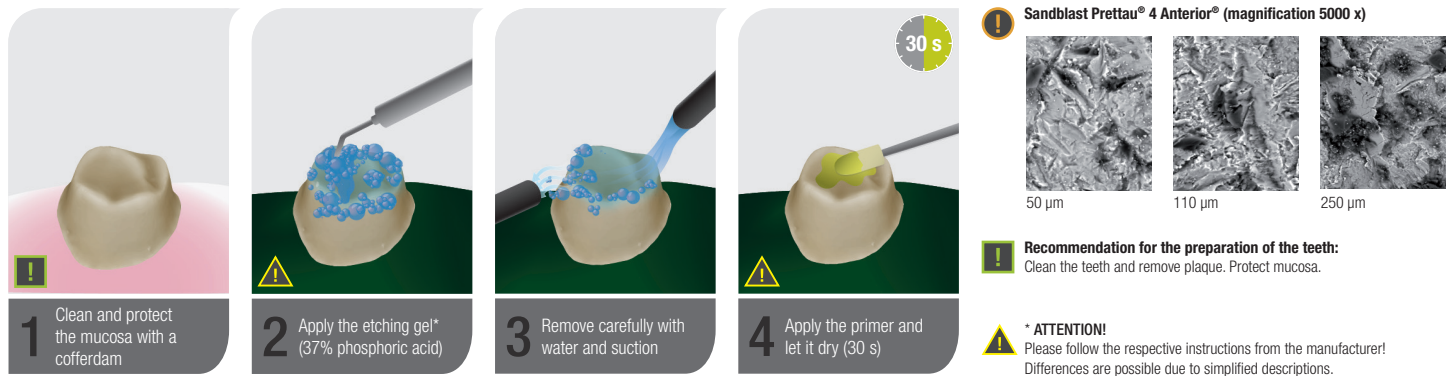
 \* **ATTENTION!** Please follow respective instructions from the manufacturer! Differences are possible due to simplified process descriptions.

**1. Pre-treatment/cleaning of the zirconia crown**



- 1 Sand blast with aluminium oxide (110 µm; 3,5 bar)
- 2 Steam clean
- 3 Dry with compressed air
- 4 Apply the bonder\*
- 5 Remove excess with compressed air
- 6 Allow 60 s drytime

**2. Pre-treatment/cleaning of the prepared teeth**



- 1 Clean and protect the mucosa with a cofferdam
- 2 Apply the etching gel\* (37% phosphoric acid)
- 3 Remove carefully with water and suction
- 4 Apply the primer and let it dry (30 s)

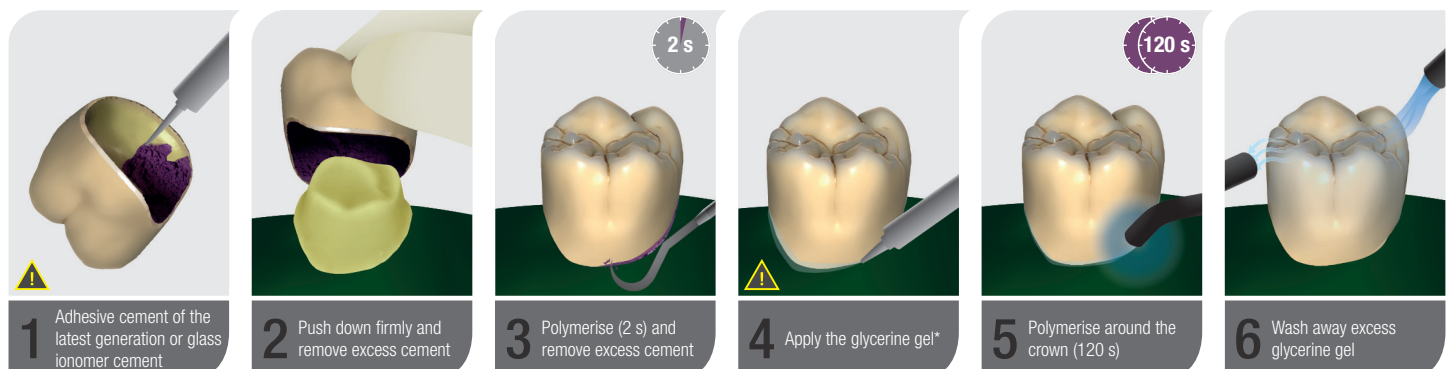
**Sandblast Prettau® 4 Anterior® (magnification 5000 x)**

50 µm      110 µm      250 µm

**Recommendation for the preparation of the teeth:**  
Clean the teeth and remove plaque. Protect mucosa.

\* **ATTENTION!**  
Please follow the respective instructions from the manufacturer!  
Differences are possible due to simplified descriptions.

**3. Crown cementation**



- 1 Adhesive cement of the latest generation or glass ionomer cement
- 2 Push down firmly and remove excess cement
- 3 Polymerise (2 s) and remove excess cement
- 4 Apply the glycerine gel\*
- 5 Polymerise around the crown (120 s)
- 6 Wash away excess glycerine gel