

## Protocol

# **Cementing of structures and interfaces in Zirconia Phidia**

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Zirconia Phidia**

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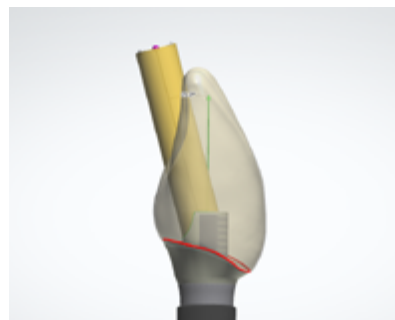
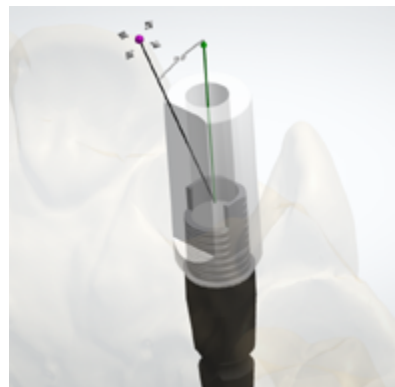
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## 1. Preliminary considerations for **Phidia Zirconia** and **Phidia Zirconia** with internal scratching



For the correct cementing of Zirconia Phidia structures, the following considerations must be taken into account:

- Each surface must be adequately prepared to achieve proper retention.
- The inner part of the frameworks must be sand-blasted with aluminium oxide. Maximum 1-2 bar and with a maximum particle size of 50 µm.
- Always follow the cement manufacturer's instructions to achieve optimum results.
- The scratching of the inner part of the Phidia Zirconia crown is designed for a better adhesion to the Axis Interphase.



## 2. Preliminary considerations for **Axis Interface**

- Axis interface height is 5 mm.
- Angled solution up to 20° thanks to lateral window and Axis screws for angled solutions.
- Use together an AXIS screwdriver for screw tightening.
- AXIS interface has three flat sides to avoid crown rotation..
- La Interfase AXIS tiene tres caras planas para evitar la rotación de la corona en relación con la interfase.
- The chimney orientation must coincide with the interface lateral window and the scanbody flat surface.

## 3. Tools

Sandblasting machine



Aluminum oxide



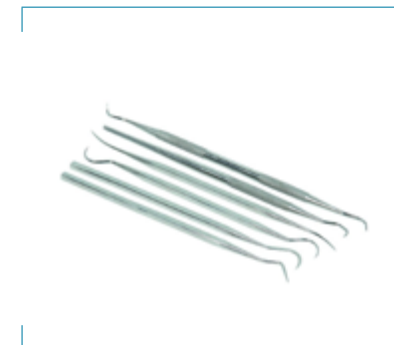
Cement



Curing lamp



Probe



# 4. Steps to take: Structure cementing on natural teeth

The steps described below are generic for light-curing self-adhesive cements. For best results, follow the cement manufacturer's instructions.

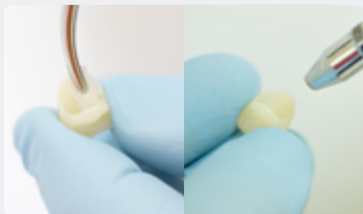
Step 1  
Perform a fit test in the mouth.



Step 2  
Carefully sandblast the interior of the restoration with aluminum oxide.



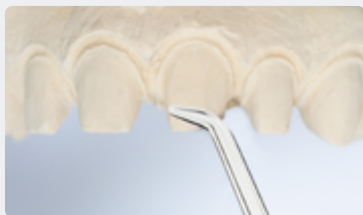
Step 3  
Clean the restoration with alcohol and air dry oil free.



Step 4  
Mechanically clean the prepared tooth.



Step 5  
Clean the tooth with water and dry it with oil-free air; avoid to dry it completely.



Step 6  
Dispense the cement into the restoration.



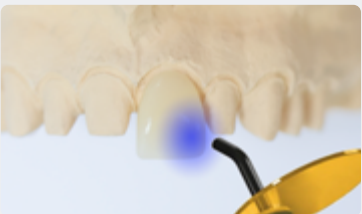
Step 7  
Place the restoration using finger force.



Step 8  
Remove the cement excess with a probe.



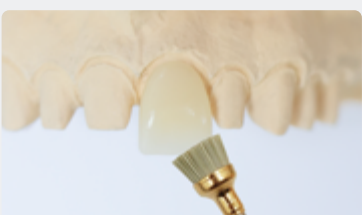
Step 9  
Cure the cement following manufacturer's instructions.



Step 10  
Remove the cement excess that may remain with a probe.



Step 11  
Finish the restoration by polishing if necessary.



Always follow the cement manufacturer's instructions for best results.



## 5. Steps to take: Interface cementing

The steps described below are generic for light-curing self-adhesive cements. For best results, follow the cement manufacturer's instructions.

### Step 1

Check the fit of the framework into the interface.



### Step 2

Sand-blast the inner part of the dental restoration with aluminium oxide.



### Step 3

Clean the restoration with alcohol and dry it with oil-free air.



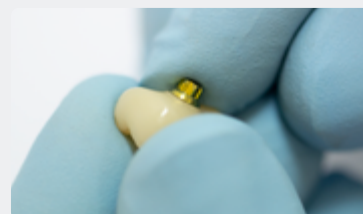
### Step 4

Dispense the cement into the restoration.



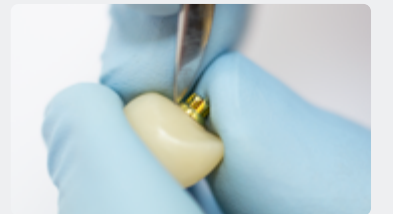
### Step 5

Place the restoration using finger force.



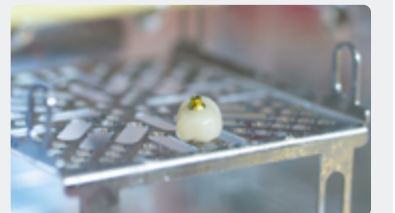
### Step 6

Remove the cement excess with a probe.



### Step 7

Polymerize cement according to manufacturer's instructions.

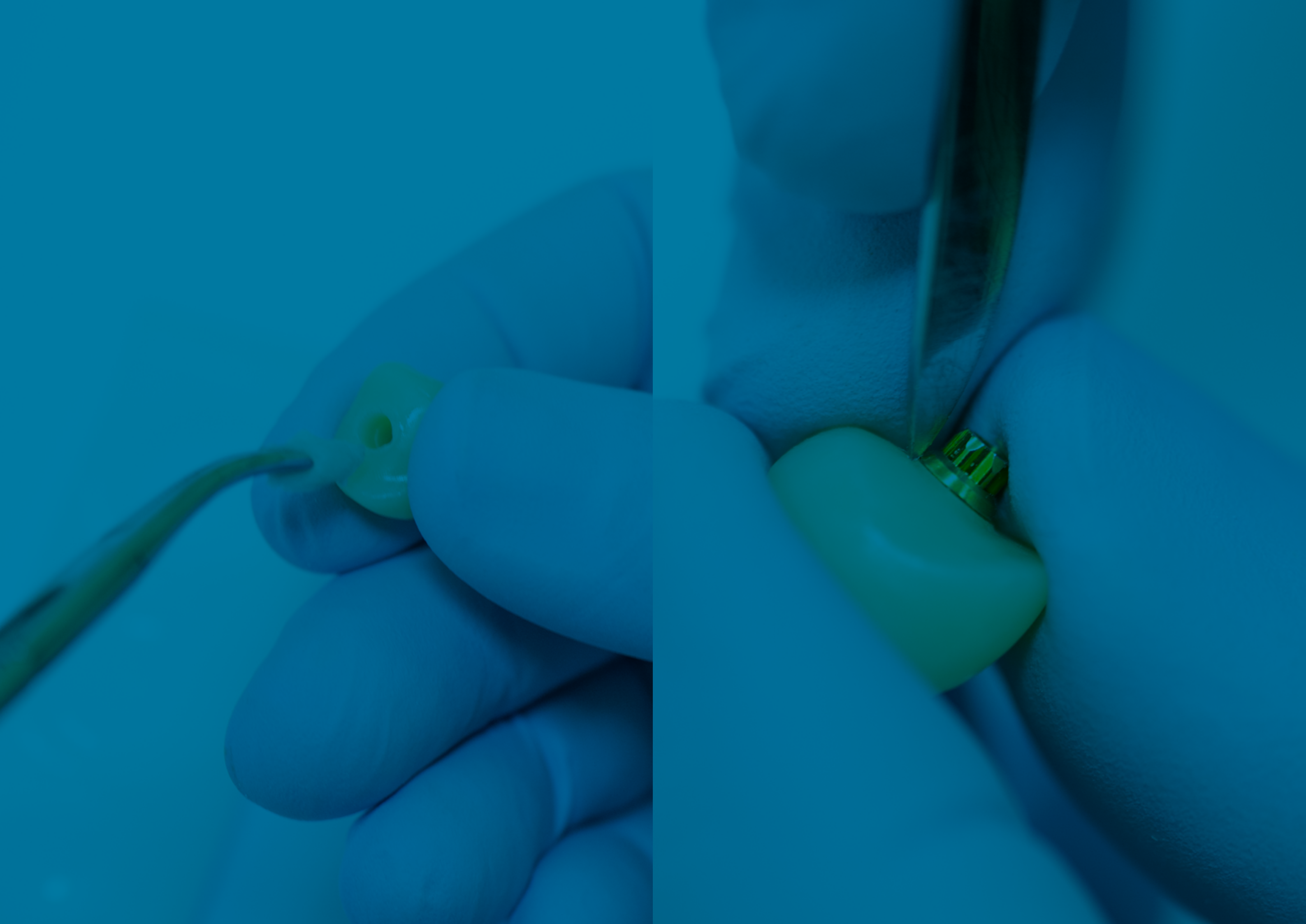


### Step 8

Remove the cement excess that may remain with a probe.



Always follow the cement manufacturer's instructions for best results.



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