

Quick guide for n!ce™ restorations

Prepare the tooth, digitize and design the desired restoration as usual.

POLISH ONLY

Mill the restoration with the n!ce™ dedicated program¹ of your CAD/CAM system. Smooth out the attachment point with standard grinding tools for lithium-disilicate glass-ceramic². Try-in the restoration, check and adjust the contact points if required.

Simply polish with a standard polishing set for lithium-disilicate glass-ceramic (or use a polishing paste with a brush wheel) to achieve a natural high gloss finish³. Clean the n!ce™ restoration in a ultrasonic water bath or with a steam jet.

Condition the n!ce™ restoration (etch the bonding surface with 5% hydrofluoric acid gel for 20 seconds; and silanize the bonding surface). Clean and condition the prepared tooth and simply seat the n!ce™ milled restoration with adhesive⁴ cement system for lithium-disilicate glass-ceramic.

MILL



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Mill the restoration with the n!ce™ dedicated program¹ of your CAD/CAM system. Smooth out the attachment point with standard grinding tools for lithium-disilicate glass-ceramic². Try-in the restoration, check and adjust the contact points if required.

POLISH



STAIN&GLAZE

Clean the n!ce™ restoration in a ultrasonic water bath or with a steam jet. Stain&glaze by applying individual stains for more pronounced characterization followed by glaze. Place the n!ce™ restoration in the centre of the firing tray on a firing cotton⁵. Conduct the firing as recommended (see recommended heating profile).

SEAT



SEAT

Condition the n!ce™ restoration (etch the bonding surface with 5% hydrofluoric acid gel for 20 seconds; and silanize the bonding surface). Clean and condition the prepared tooth and simply seat the n!ce™ milled restoration with adhesive⁴ cement system for lithium-disilicate glass-ceramic.

STAIN&GLAZE

n!ce™ restoration guidelines

n!ce™ is indicated for single tooth restoration and is intended to restore natural teeth or to be placed on top of abutments.

- The preparation must not have angles or sharp edges
- The shoulder preparation must have rounded inner edges and/or chamfer
- The static and dynamic antagonist contacts should be taken into consideration and the preparation margin should not be located on the centric antagonist contacts



n!ce™ minimum restoration thickness guidelines

n!ce™ heating profile - After stain&glaze

n!ce™ can be stained and glazed if a more pronounced characterization is wished.

Please ensure the following:

- Only use stain and glaze material compatible with a CTE value of $7.1 \times 10^{-6} \text{ K}^{-1}$
- Only conduct the firing once the n!ce™ restoration has been cleaned in water by ultrasound or with steam

Start temperature	Heating time (closing time)	Heating rate (Temp.raise)	End temp. (Firing temp.)	Holding time	Cooling temp.	Cooling rate
°C	mm:ss	°C/min	°C	mm:ss	°C	°C/min
400	02:00	60	770-800	01:00	400	25

n!ce™ recommended heating profile (vacuum is not required) after stain & glaze

- The firing temperature must not exceed 820°C
- A slow cooling rate is important to avoid color deviations caused by the cooling-down process
- A fast cooling rate increases the translucency of the material

n!ce™ sterilization parameters

n!ce™ restorations, especially crowns used in combination with Ti-Bases, can be sterilized under following parameters:

Method	Condition
Autoclave, moist heat Fractionated vacuum or Gravity displacement	132°C (270°F), for 3 minutes

Note:

- Observe the n!ce™ minimum thicknesses guidelines
- Do not blast the restoration with Al₂O₃ or glass polishing beads

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REFERENCES

1 n!ce™ can also be milled with the lithium-disilicate milling program 2 Ideally use water-cooled instruments, grind only at low speed and slight pressure to prevent delamination and chipping at the edges 3 For polishing the occlusal surfaces, use preferably diamond polishing tools for lithium-disilicate glass-ceramic 4 Crowns can also be seated using self-adhesive cement 5 Alternatively, use a firing pin with an auxiliary firing paste