

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 second; 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

1

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

2

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

3

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.

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



We recommend following heating profile (no vacuum required):

| 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 |

- The firing temperature must not exceed 820°C.
- Utilizing a slow cooling rate is important to avoid color deviations caused by the cooling-down process.
- Utilizing 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 |

Turn time spent milling
into time spent smiling.



Note:

- Observe the n!ce™ minimum thicknesses guidelines
- Do not blast the restoration with Al_2O_3 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