850 miyo workbook

JENSEN DENTAL

MiYO 850 for Crystallization

INTENDED USE: Type 1, class 1b ceramic for the coloring, enhancing and glazing of lithium disilicate crowns during and after the crystallization cycle.

MiYO 850 System Components

⚠ Inhalation of ceramic dust can be hazardous to your health

MiYO 850 Colors and Glaze - Preparation and Instructions for Use

Preparation
- Before applying the material, the surface must be clean and free of surface contamination.
- The surface can be sandblasted with 50 µm and 2 bar pressure.

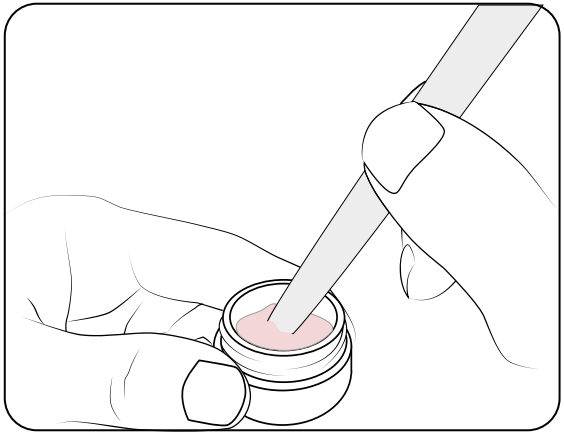
Instructions for use
- DO NOT pour out liquid that may accumulate on top of Color. Mix it back into the paste.
- MIX ALL MATERIALS THOROUGHLY BEFORE USE with the MiYO spatula to maintain consistency and proper handling properties throughout the life of the jar.
- DO NOT add water to paste.
- Always use a clean brush.

Application
- Apply material to the prepared surface according to its purpose and desired effect.

Storage and disposal
- Store in a dry place.
- Small quantities can be deposited in household waste.

Learn more at miyo850.com

MIX MIYO COLOR, STRUCTURE AND GLAZE PASTE THOROUGHLY WITH A METAL-FREE SPATULA BEFORE EACH USE.



MiYO Tools

MiYO tools are designed specifically for MiYO materials, allowing perfect and consistent delivery of Colors, Glaze, and contact materials.

BRUSH 1

MiYO Color Fine Detail Brush (Kolinsky); used to replicate every fine detail imaginable

BRUSH 2

MiYO Color Brush (Kolinsky); used for the application of MiYO 850 Color, Glaze, and Structure materials

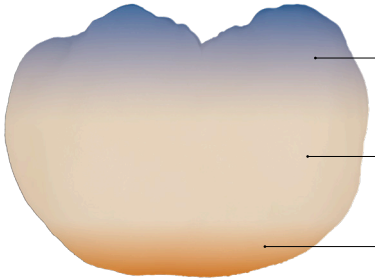
SPATULA

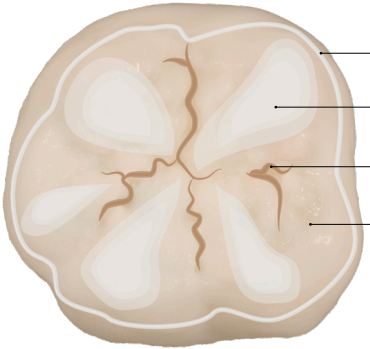
MiYO Mixing Spatula; used to mix and dispense MiYO 850 Colors, Glaze, and for the preparation of MiYO Structure

TOOL CARE & USE

- Keep clean when not using.
- Clean and store with the bristles straight.
- Clean with water at end of day and store as mentioned above.
- Don't let materials dry to a solid state while in the brush bristles.
- Do not clean with any solvent such as alcohol, mineral spirits, turpentine or acetone.
- Use the Spatula to mix MiYO Colors and Glaze in the jar, do NOT use the brushes to stir.

Pre and Post Crystallization – Color & Paste Glaze Instructions





850 PASTE MIXING

- Mix your material for approximately 10-15 seconds (minimum) prior to dispensing on tray.
- Dispense only what is needed to cover your restoration.
- If thinner consistency is desired, add Glaze Liquid to material dispensed on tray with brush.

850 PASTE GLAZE & COLOR APPLICATION

- 850 Colors are self glazing. Colors can be used standalone or in combination with other colors as well as the glaze.
- After mixing thoroughly, apply 850 Colors and/or paste glaze where desired.
- All surfaces need to be covered with Color or Glaze.

850 FIRING

- Use the pre-programmed standard or speed cycles for crystallization or the pre-programmed correction cycles for post crystallization. If using an oven that does not have pre-programmed cycles, follow manufacturer recommended firing parameters for crystallization.

CTE (25-500°C) [$*10^{-6}$ K^{-1}] ± 0.5: MiYO 850 Colors & Glaze 8.5 (2x)

NOTE: • 850 Color diagram for illustrative purposes only. Any 850 Color may be used based on your case needs.
• For shade modification, Clementine, Straw, and Sage may be mixed with 850 A, B, C, D shades to achieve desired results.

Instructions for Adding Contacts Post Crystallization

> **TIP:** MiYO Structure is similar to composite in the way it handles and feels, making it easy to apply and shape before firing.

STRUCTURE PREPARATION

1

- Do not stir MiYO Structure Enamel.
- Pat/knead material in jar to achieve homogeneous moisture dispersion.

STRUCTURE APPLICATION

2

- Apply Structure Enamel to your post crystallized crown whenever contacts are needed.

FIRING

3

Furnace Function	MiYO Structure
Closing/Dry Time	4:00 min
Standby Temperature	403°C
Vacuum On	510°C
Temperature Increase Rate	140°C/min
Vacuum Off	720°C
Hold Time	0:00 min
High Temperature	720°C
Cooling Temperature Rate	20°C/min
Cooling Temperature	700°C

POST FIRING

4

- After firing, contact areas can be adjusted with a rotary instrument and brought back to a porosity free high shine.

CTE (25-500°C) [$*10^{-6}$ K^{-1}] ± 1.0: MiYO Structure 7.4 (2x)

Troubleshooting

RESULT	REASON
MiYO 850 Colors are not as intense after firing as during application	MiYO 850 Colors were not mixed adequately
Surface has an orange peel look to it	Not enough MiYO 850 Colors or Glaze was applied to the surface Too much glaze liquid was used to thin down MiYO 850 Colors or Glaze
MiYO 850 Colors or Glaze seem too thick	Add a VERY slight amount of MiYO 850 Glaze Liquid with the MiYO Spatula to reconstitute
MiYO 850 Colors or Glaze sags, moves, or puddles	MiYO 850 Colors or Glaze have been thinned down too much with Glaze liquid
MiYO 850 Colors have dried out	Add a VERY slight amount of MiYO 850 Glaze Liquid with the MiYO Spatula to reconstitute. Tip: Dispense only what you need for the day

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