Attach: Pontic Treatment Method

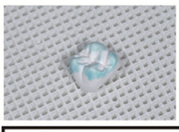
Incisal Liquid brushing method of pontics:
Using No.0 porcelain pen to dip Incisal Liquid and brushing on cervical 1/3 area and incisal ridge for 2 times and then triangular ridge for 1 time.

Using OP porcelain pen to dip Incisal Liquid and uniformly brushing on pontics and then brushing the whole for 2 times.
Immersion method is the same as above.

Attentions

a.Don' t dip too much, generally scratch at container wall after.
b.Prohibited brush too much, otherwise may cause whitish or shallower of the restorations.
c.After brushing, you can do immersion immediately same as above.

[STEP FOUR:Drying]



Airing
a.Airing method: After coloring, put the restorations occlusal surface up on clean and dry glass plate or sintering tray, airing. Make sure no redundant liquid on the surface.
b.Time:20 mins.

Attentions

Ensure the environment is clean and no wind, avoid being blowed by natural wind and air conditioner, or put a lid on the top.

Drying
a.Drying Method: restorations must be occlusal surface up
b.Temperature:150°C.
c.Time:20 mins.

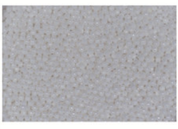
Attention:Recommended using Aidite Drying Equipment. (Please contact Aidite company or locate dealer)

[STEP FIVE:Sintering]

Put the restorations occlusal surface down on the zirconium bead; Follow the sintering curve as below.

Below 3 units bridge(7h):

Start temp	Phase 1 Heating rate	Phase 1 Maximum temp	Holding time	Phase 2 Heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
Room temp	10°C/min	900°C	20min	5°C/min	1530°C	120min	10°C/min	300°C



Attentions

a.When facing the following situations, beads must be changed in time: seriously color change; incomplete or damage of shape; Dead color, without translucency.
b.Check whether there is adhesion. If yes, separate zirconium beads to ensure the good liquidity.
c.Qty:Completely cover the sagger bottom, 2-3 layers.
d.When changing new beads, have the beads with waste sintered for 1-2 times, then sinter restorations.

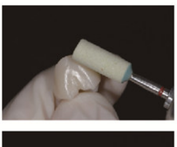
Clean and Maintenance of Furnace

a.Cleaning method: Clean up the impurities in the chamber, and then put abandoned zirconia leftover material into the furnace for air burning. Clean once a week.
b.Check heating elements before sintering, if there is peeling on the element (silicon molybdenum rods) surface, put abandoned zirconia leftover material into the furnace for air burning.
c.When not in use, the furnace should be closed, and guarantee the dry environment inside the furnace.
d.Please keep the sintering equipment safely and clean, avoid using under dusty environment, otherwise, those will impact on the heating elements.

[STEP SIX:Polishing]

Conduct by using Aidite special polishing tools, through three processes: coarse grinding, fine grinding, and rough polishing to make the surface smooth.

Coarse grinding: As the first step, main function is for tooth fix, adjust adjacency, occlusal surface, and dental anatomical morphology.



Fine grinding: continues the coarse grinding steps, make the grain tidy, uniform, fine and smooth.

Rough polishing: Make tooth surface leveled, uniform and smooth, which can effectively improve the overall effect.

Attentions

Recommended using rubber bond diamond polisher to rough polish the occlusal edge to avoid chipping. (Please contact Aidite Company or local dealers for purchase)

Precautions

a.The product must be used within 2 months after opening.
b.If the coloring liquid in the container is polluted or expired, please change in time, otherwise, will affect the result.
c.Sealed after use and cold storage, don not return it into the original bottle to avoid damage to the original liquid.
d.Clean the zirconium powder on the surface with brush before coloring. Make sure the restorations are dry and clean. Recommended wearing medical gloves.
e.Prohibit sintering under humid conditions. Restorations must be fully dried before sintering.

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Aidite Super Translucency Coloring Liquid Instruction for Use

[Product Category]

Aidite Coloring Liquid contains two types. Shows in the table below

SN	Name	Shade	Indication	SPEC	Function
1	SHT Super Translucency Coloring Liquid	16 colors+Bleach Color	SHT	50ml	make the restorations adhesive with undertone compared with 16 shade guide
2	ST Super Translucency Coloring Liquid	16 colors+Bleach Color	ST	50ml	make the restorations adhesive with undertone compared with 16 shade guide

[READ ME FIRST]

When using Aidite Ceramic Blocks, the scaling factor is shown on the disc and must be entered in the CAM software. The indicated scaling factor applies to uncolored Zirconia.

The scaling factor must be adjusted for restorations which will be colored with the Super Translucency Coloring Liquids because the coloring particles reduce slightly the shrinkage during sintering.

The corrective value for the specific coloring liquid must be subtracted from the scaling actor shown on the Aidite Ceramic Blocks.

The table below shows the corrective values for the dyeing liquids:

Coloring Liquid	ST Super Translucency Coloring Liquid	SHT Super Translucency Coloring Liquid
Corrective value	-0.005	-0.005

Example: The scaling factor shown on the disc is 1.2500. Subtract the corrective value 0.005. The resulting scaling factor for entry in the CAM software for this restoration is 1.2450.

[STEP ONE：Materials Preparation]

Tools Preparation：No.0 brush, Plastic containers, Plastic tweezers, Glass plate, Medical gloves, Paper towels.
Products Preparation：Aidite Incisal Liquid、Aidite Coloring Liquid Indicators、Aidite Coloring Liquid.

[STEP TWO：Cleaning]

Using brush or porcelain brush thoroughly clean up the powder on the surface and inner of restorations.

Attentions

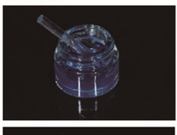
If cleaning is not thorough, may cause the following effects:
a.After sintering, the sintered powder will adhere to the surface and inner of the restorations, form the white dots, which can affects appearance and position of the restorations.
b.During immersion, the residual powder will pollute coloring liquid which will have an influence on the accuracy of the color.

[STEP THREE：Coloring before Sintering]

Incisal Liquid (T1)
Function：Brushing on incisal 1/3, incisal ridge and pontic to achieve natural gradient effect and solve the dark color of pontics when coloring.

Coloring Liquid Indicators
Function：Visualize the Incisal Liquid as an indicator, and totally burned out after sintering without any influence on the final color effect.

Brushing the Incisal Liquid (T1) first and then using immersion method.



Mixing Incisal Liquid (T1) and Coloring Liquid Indicators in proportion. (Mixing radio: 25ml Incisal Liquid (T1) + 1 drop Coloring Liquid Indicators)

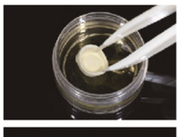
Using No.0 porcelain pen to dip Incisal Liquid and brushing on cervical 1/3 area and incisal ridge for 2 times and then triangular ridge for 1 time.

Attentions

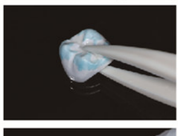
a.Don' t dip too much, generally scratch at container wall after.
b.Prohibited brushing too much, otherwise may cause whitish or shallower of the restorations.
c.After brushing, you can do immersion immediately.

Coloring Liquid
Function: Make the restorations adhesive with undertone compared with the shade guide by using integral immersion method and achieve good transparency.

After brushing, you can do immersion immediately.
Gently shake the bottle and pour into a clean and dry plastic container, make sure that the dosage of the coloring liquid can completely cover the whole restorations.



Gently immerse the restoration occlusal surface down into the container with plastic tweezers for 10-60 s.



During immersion, gently turn over the restorations with the plastic tweezers in order to break up the bubbles on the surface to make sure the liquid can be uniformly absorbed.

When finished, remove the restoration to a clean glass plate, and move a few places.
Using paper towels gently suck out the obvious liquid on the inner surface and grove area, at the same time, clean up the redundant dyeing liquid on the glass plate.

Attentions

a.Before coloring, make sure the dyeing liquid can be used within the expiration date. For opened coloring liquid, can be used for max. two months. For unopened coloring liquid, if stored properly, can be normally used within six months.
b.All the tools must not be metal during coloring.
c.After coloring, prohibit wiping any part of the restorations with paper towels or contacting with strong absorbent material such as paper towels for a long time. Keep liquid sealed when not in use at a storage temperature: 5-25℃.