

Aidite[®]



Biomic[™] LiSi Connect

Zirconia bonding pretreatment agent

Instruction



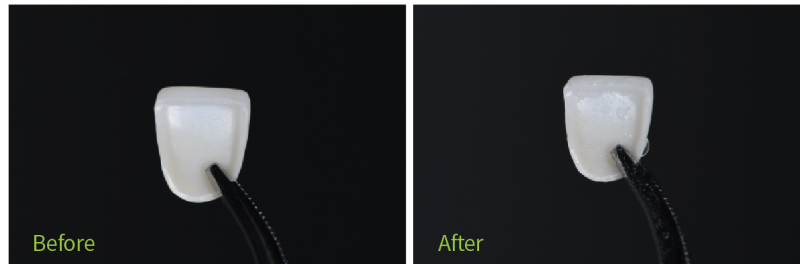
■ Reassuring zirconia bonding starts from LiSi.



Biomic LiSi connect

Step 1 Cleaning

Use steam to clean the area on one side of the bonding surface of the restoration.

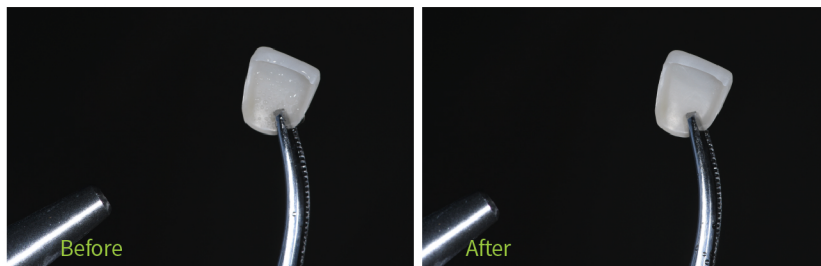


Notes:

Be sure to use steam cleaning to ensure that the bonding surface of the restoration is completely clean.

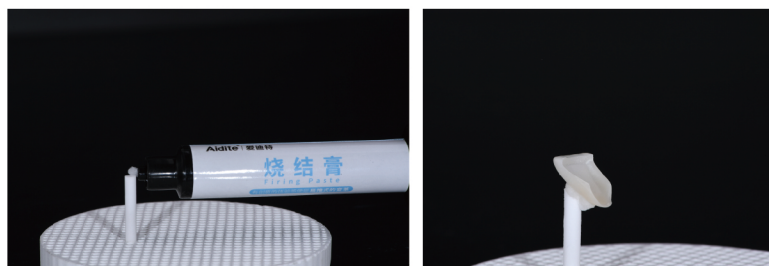
Step 2 Drying

Use an air gun to blow off the water on the bonding surface or use other tools to completely dry it.



Step 3 Fixing

Using the firing paste on the sintering nail or on the non-bonding surface of the restoration to fix the restoration on the sintering plate.



Notes:

It must be completely fixed, and the angle of inclination on the sintering nail should not be too large to prevent it from falling during sintering. It can also be directly fixed on the sintering plate.

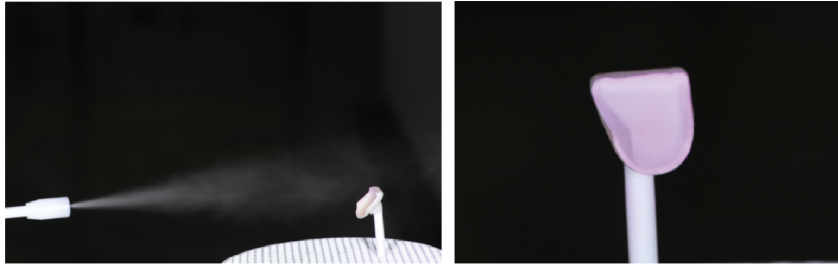
Step 4 Spraying Biomic LiSi connect

Shake the LiSi connect evenly and spray it onto the surface of the restoration.

*Spray distance: 10-15cm

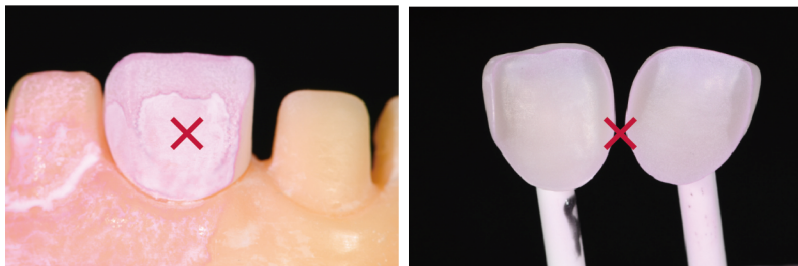
*Spray method: move and sweep in one direction

*Number of spraying: 1-2 times



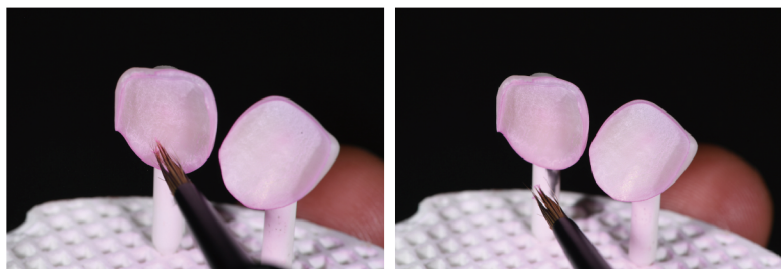
Notes:

- Shake repeatedly before use to ensure that the materials in the bottle are fully mixed.
- The spraying distance should not be less than 10 cm or more than 15 cm, which will easily cause too little or too much spray. If the spray is uneven, it needs to be cleaned and sprayed again.



Notes:

- Do not spray too much, as too much spray will affect the bonding of the restoration in place.
- If only a small part of the area (edge area) is sprayed too much, can use a clean and dry brush to remove the excess.



Step 5 Sintering

Sintering curve

Temp at start (°C)	Drying time (min)	Heating rate (°C/min)	Maximum temp (°C)	Holding time (min)	Vacuum rate	Opening temp (°C)
450	1	80	890/895/900	1.5	100%	300

Notes:

- Vacuum is not a mandatory requirement, vacuum sintering is better.
- If the restoration needs to be coated with LiSi connect on the bonding side and glazed on the non-bonding side, please proceed as follows:

If the sintering temperature of the paste glaze used is lower than the sintering temperature of LiSi connect, please complete the sintering of LiSi connect first and then proceed with the glaze sintering.

If the sintering temperature of the paste is higher than the sintering temperature of LiSi connect, finish the glaze sintering first and then proceed with the LiSi connect sintering.

If the sintering temperature of the glaze paste and the sintering temperature of LiSi connect are the same, the sintering of both materials on the restoration can be completed in one pass.

Step 5 Clinical bonding

- 1.Spray a layer of Biomic LiSi connect on the surface of zirconia restoration after its final sintering, and then do the sintering of LiSi connect according to the specified curve.
- 2.Use 5% HF to etch for 90s during acid etching, use air gun and clean water to clean and blow dry.
- 3.Use MDP-containing ceramic treatment agent to evenly coat the bonding surface.
- 4.Use a resin-based adhesive to complete the bonding of the restoration, also the use of pure light-type resin adhesive can prevent the restoration from darkening.

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