

Aizir
- Just glaze it -



Make People Healthier and More Beautiful

Aidite[®]

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Aidite[®]

Aizir Multilayer **Just glaze it**
CAD/CAM Zirconia Material



All indications | Perfect strength | Simplify processing

■ Aizir Multilayer

Make People Healthier and More Beautiful

Product advantage »

Aizir Multilayer

Aizir represents Aidite most advanced R&D and production level, integrating several patented technologies in one. While meeting the full range of indications, it has a more systematic processing, a wider sintering temperature range, and a more stable three-dimensional gradient effect.

Aizir will uphold the vision of "making people healthier and more beautiful" and redefine all-ceramic prosthetic materials.



16 years

Aidite has 16 years of experience in the development and production of zirconia, with stable material performance.

120 min

On the basis of realizing rapid sintering, Aizir is compatible with many kinds of Aidite zirconia materials (such as SHT-PC, SHTM, SHTC) to achieve simultaneous sintering of multiple materials.

1510-1570°C

Aizir has an ultra-wide sintering temperature range, giving a perfect bionic aesthetic effect at different temperatures.

Incisal layer

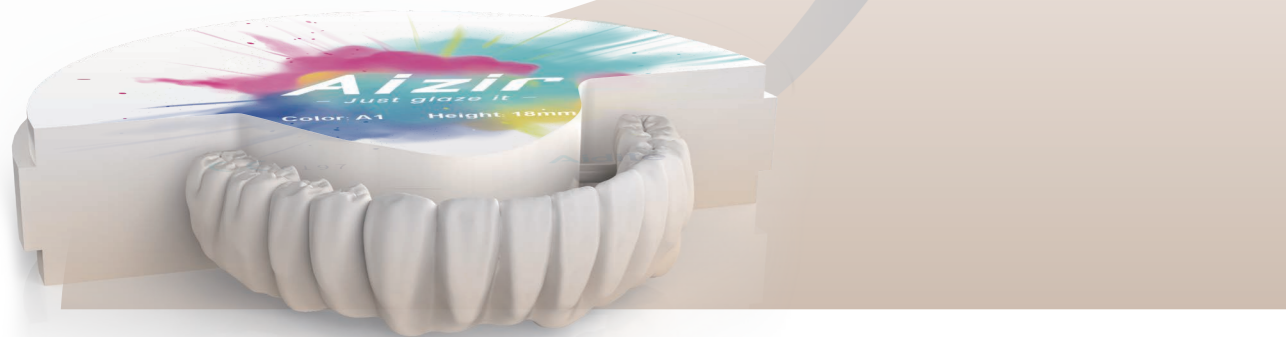
5Y-TZP

53% Translucency 700MPa

Cervical layer

4Y-TZP

43% Translucency 1050MPa

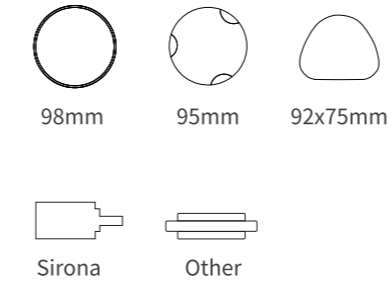


Shade and dimension »

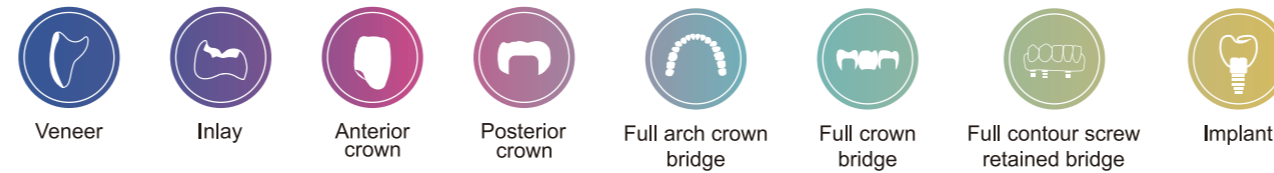


Parameters and application systems »

Color	Vita 16 colors/OM1/OM2/OM3
Aesthetic	Super high translucency
Sintered density	≥6.0g/cm ³
Bending strength	Cervical part 1050MPa
Fracture toughness	5Mpam ^{0.5}
Hardness (Hv10)	1250



Indications for use »



Digital work flow »

Aizir is one incredible material, which can be used in the above systems, but it is also part of an entire digital workflow. From the initial intraoral scan right through to the final restoration, Aidite have validated workflows with equipment and materials for the whole process. Faster production times, higher quality, full technical and engineering support, through our dealers and ourselves, 24/7 worldwide. With Aizir, you are not just purchasing any ordinary zirconia disc, but investing in a part of a wider dedicated system, benefitting the whole dental team and their patients. Dentists are requesting a Aizir restoration, once they see the difference.

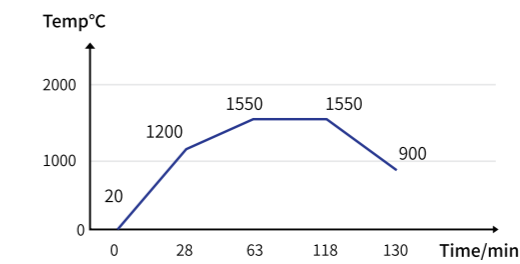


Sintering curve »

Single unit & Bridge up to 3 units (2h)



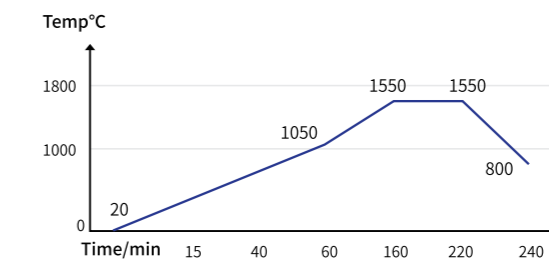
Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20°C	43°C/min	1200°C	10°C/min	1550°C	55min	55°C/min	900°C



4-6 units (4h)



Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20°C	51.5°C/min	1050°C	5°C/min	1550°C	60min	37.5°C/min	800°C



7 units and above (11.5h)



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
20°C	5°C/min	900°C	30min	3°C/min	1530°C	120min	8°C/min	300°C

