

# Aidite

3D Pro zir MAX

World Class Leader of  
Dental Multilayer Zirconia



1300MPa High Strength | Resistant to Fracture  
Sustained Stability

## Aidite

Aidite (Qinhuangdao) Technology Co.,Ltd.  
Tel: +86-400-003-1233  
Web: www.aidite.com  
Email: info@aidite.com  
V3-260302



www.aidite.com



Facebook

Everyone with a healthy and beautiful smile

## Product advantage »

3D Pro zir MAX is a next-generation multilayer zirconia developed for demanding cases.

### 4Y-TZP composition

- Up to 48% translucency (significantly higher than traditional 3Y zirconia).
- Excellent physico-chemical stability.
- Uniform shrinkage guarantees precise fit and resistance to deformation, even in long-span bridges.

### Pro for Long Bridge Functional

- Flexural strength up to 1300 MPa and excellent anti-aging performance.
- Guaranteeing long-term clinical durability and performance.

### Digital processing

- Natural color gradient, no stain immersion.
- Final delivering requires glazing only.



- Specialized in Aesthetics**  
Tailored for long-span bridges
- Engineered for Toughness**  
Safe & fracture-resistant
- Specialized in Durability**  
Stable & anti-aging

Flexural Strength **1300MPa** Translucency **48%**  
**Engineered for Strength; Refined for Aesthetics**

## Indications »



Screw-retained bridge



Cement-retained bridge

This product is suitable for full-arch restorations (FULL ARCH), adheres to the ALL-ON-X concept, and screw retention is the preferred solution.

\*Data tested by Aidite Product Technology Center. Individual results may vary depending on processing protocol and equipment.

## Shade »



## Parameters and application systems »

Flexural Strength	≥1300MPa
Fracture Toughness	≥5MPa·m <sup>0.5</sup>
Vickers Hardness	≥1250HV10
Sintered density	≥6.0g/cm <sup>3</sup>
Chemical Solubility	≤100μg·cm <sup>-2</sup>
Coefficient of thermal expansion (CTE 25-500 °C)	(10.5±0.5)×10 <sup>-6</sup> K <sup>-1</sup>



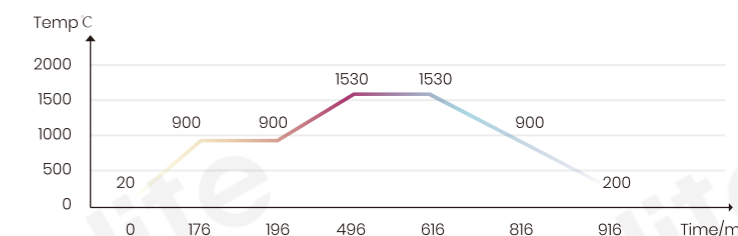
Thickness: 20, 22, 25, 28, 30mm, ect

## Sintering Circle »

Long Bridge Sintering Curve: 15 hours

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Holding time	Phase 2 Maximum temp	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to	Cooling rate	Cooling to	Open furnace at
20°C	5°C/min	900°C	20min	2°C/min	1530°C	120min	3°C/min	900°C	7°C/min	200°C	100°C

Phase	Temp/°C	Time/min
1	20	176
2	900	20
3	900	300
4	1530	120
5	1530	200
6	900	100
7	200	-121



## Case »



Case from Umberto Scorza



Case from Umberto Scorza