

Coloring ArgenZ HT+

For best results, use recommended ArgenZ Shading Liquids. ArgenZ HT+ is compatible with all major dental zirconia coloring systems.

Sintering ArgenZ HT+

Standard Cycle

Stage	Program	Rate/Minute	Temperature
1	Heating Ramp	7°C/Minute	>900°C
2	Heating Ramp	10°C/Minute	1500°C
3	Heat Hold	120 Minutes	1500°C
4	Cooling Ramp	7°C/Minute	1000°C
5	Cooling Ramp	10°C/Minute	200°C

Large Bridge Cycle*

Stage	Program	Rate/Minute	Temperature
1	Heating Ramp	4°C/Minute	1500°C
2	Heat Hold	120 Minutes	1500°C
3	Cooling Ramp	4°C/Minute	200°C

NOTE: Sintering temperatures are recommendations. If after controlled cooling segments, grind or turn on urge purge inputs at 4 deg/min/minute

*Large bridge segments ground or turn on urge purge inputs at 4 deg/min/minute
After controlled cooling segments, grind or turn on urge purge inputs at 4 deg/min/minute

ArgenZ HT+

Material Properties

Strength

Flexural Bending Strength - ArgenZ HT+

>1250 MPa mean value

Density

26.08g/cm³

Composition

ZrO₃+HfO₂+Y₂O₃ >99 wt%

General Physical Form

Solid

Odor, Color, Grade

White odoreless block

Eye Contact

Anticipated

Mechanical eye irritation

No immediate health, physical, or environmental hazards are anticipated

Signal/Symptoms may include

Irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain

Ingestion

No health effects are expected

Signal/Symptoms may include

Signs/symptoms may include

ArgenZ HT+ (high translucent plus)
dental zirconia can be used for the production of full-contour and substructure restorations. The following instructions provide general guidelines for handling, designing, milling, sintering and adjusting of ArgenZ material and should be followed very carefully to avoid any loss of aesthetics, fit, durability or overall quality.

Handling ArgenZ HT+
Inspect each suplement for damage and do not use damaged discs for the production of dental restorations. Store ArgenZ in a cool, dry temperature-stable environment (between 5°C and 50°C) in the original packaging.

Adjusting ArgenZ HT+

- Only use burs specifically designed for adjusting zirconia. Always ensure that zirconia is wet during the grinding process. A high-speed wet/hand piece at low speed is recommended during the adjusting process in order to keep heat to a minimum.
- DO NOT grind on the basal grooves and tooth connections after sintering.

- If possible, smooth rough or sharp edges

Indications for Use

ArgenZ HT+ (high translucent plus) zirconia can be used for the production of full contour and substructures restorations up to a full arch.

For Use in Canada

Health Canada restricts zirconia bridges to six units with a maximum of two pontics next to one another.

ArgenZ Technical Support

For further questions or technical support, please contact

Argen's Technical Support Staff at (800) 265-5095

HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

ArgenZ HT+ Zirconia

Instructions for Use

Specific Physical Form Solid block or slab

Skin Contact Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain, and itching.

Eye Contact No immediate health, physical, or environmental hazards are anticipated

Mechanical eye irritation Signs/symptoms may include irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain

Signal/Symptoms may include Ingestion No health effects are expected

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ArgenZ HT+

with Microleucite Plus

High Zr, 9% Yttria

Dimensional Stable

Smooth Surface

Easy to Mill

Smooth

(800) 255-5524

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