ArgenZ Zirconia

Recommended Settings Parameters

Material Selection Indications

ArgenZ ST Multilayer – Cosmetic Zirconia
Super translucent multilayer zirconia for the esthetic zone.

ArgenZ Anterior – Cosmetic Zirconia
Super translucent zirconia for the esthetic zone.

ArgenZ HT+ Multilayer – Restorative Esthetic Zirconia
High translucent plus multilayer zirconia for esthetic zone and large span bridges.

ArgenZ HT+ – Restorative Esthetic Zirconia
High translucent plus zirconia copings and bridge frameworks.

ArgenZ Ultra – Restorative Zirconia
Frameworks where extra strength and opacity is needed.
(i.e. implant abutments and blocking out dark shades)

Cut-off Time

Files must be submitted by **12:00pm PST (3:00pm EST)**
1-8 unit cases will be received within 2 business days.
9-14 unit cases will be received within 3 business days.

Material Selection Guide

When submitting your files, please ensure you have indicated the material type (ST Multilayer, Anterior, HT+ Multilayer, HT+, Ultra).

Zirconia Type	# of Units	Type	Strength
ArgenZ ST Multilayer	Single up to 3 units	Super Translucency	850 MPa
ArgenZ Anterior	Single up to 3 units	Super Translucency	765 MPa
ArgenZ HT+ Multilayer	Single up to 14 units	High Translucency Plus	1250 MPa
ArgenZ HT+	Single up to 14 units	High Translucency Plus	1250 MPa
ArgenZ Ultra	Single up to 14 units	High Strength	1400 MPa

3Shape users: upload via ArgenLink.
All other users: go to argen.com

Files can be uploaded one at a time, or in batches, making the upload process easy!
Please call Argen Digital for pricing details.

The Argen Corporation
8515 Miralani Drive, San Diego CA 92126
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Recommended Settings Parameters

Designing in 3Shape

Design

Wall Thickness: **0.45 mm minimum**

Margin Thickness: **0.2 mm**

Margin Angle: **65˚ degrees**

NOTE: If walls/margins are too thin, failures may occur during the milling process (i.e. cracks, chipped margins).

Fit Settings

Drill Comp should be checked "ON"

Drill Comp offset setting: **0.60 mm**

Drill Radius: **0.50 mm**

Cement Gap: **0.045 mm** (near margin)

Extra Cement Gap: **0.065 mm** (die spacer)

Distance to Margin: **1.0 mm**

NOTE: Cement gap settings are adjustable. Increase values to give a looser fit, decrease values to get a tighter fit.

Designing in Exocad

Design

Minimal Thickness: **0.45 mm minimum**

Horizontal Crown Margin: **0.2 mm**

Angled Crown Margin: **0.05 mm**

Angle: **65° degrees**

NOTE: If walls/margins are too thin, failures may occur during the milling process (i.e. cracks, chipped margins).

Fit Settings

In the wizard under "Crown Bottoms" check the box "Anticipated Milling"

and set the Diameter to: **1.2 mm**

Gap thickness of Cement: **0.045 mm** (near margin)

Add distance occl: **0.065 mm** (die spacer)

Add distance X/Y: **0.065 mm** (die spacer)

NOTE: In the Wizard Merging, make sure you check the box "Optimize for Selective Laser Melting". Cement gap settings are adjustable. Increase values to give a looser fit, decrease values to get a tighter fit.

Designing in Dental Wings

Design

Minimum Thickness: **0.45 mm**

Margin Thickness: **0.2 mm**

Emergence Angle: **65° degrees**

NOTE: If walls/margins are too thin, failures may occur during the milling process (i.e. cracks, chipped margins).

Fit Settings

Apply Tool Compensation box should be checked

Elliptic Vertical: **0.6 mm**

Elliptic Radial: **0.6 mm**

Additional Vertical: **0.1 mm**

Cement Gap: **0.045 mm** (near margin)

Extra Vertical Gap: **0.065 mm** (die spacer)

Extra Horizontal Gap: **0.065 mm** (die spacer)

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