



ARGEN Z[™] ANTERIOR
Super Translucent Zirconia

ArgenZ Anterior Zirconia crowns and bridges deliver an optimal increase in translucency and vitality. The composition of ArgenZ Anterior contains cubic zirconia which refracts light for an optical effect similar to that of natural teeth. The outcome is a highly aesthetic restoration with lifelike results.

ArgenZ Anterior (super translucent) is indicated for full contour restorations only.

The recommended material indications will offer ideal aesthetics, fit, translucency and durability.

INDICATIONS:

ArgenZ Anterior can be used for the production of:

- Full contour single anterior units
- Full contour single posterior units
- Full contour 3-unit anterior bridges

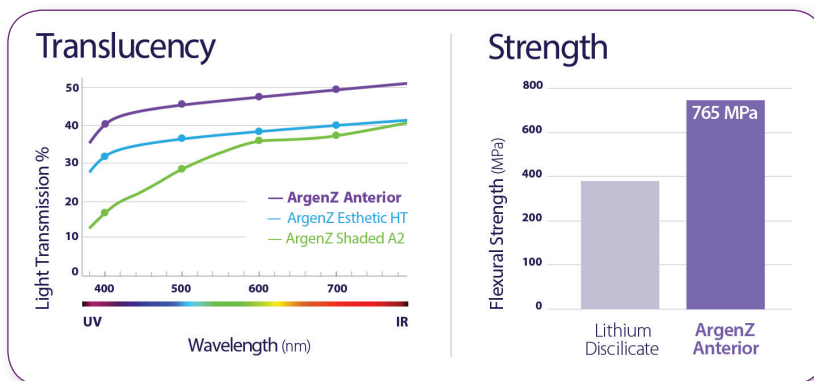
For the recommended anterior bridge indication, the connector cross-sectional thickness should be set at 9mm².

It is not recommended for any type of posterior bridge design, nor any cut-back or ceramic layering application.

Non-compliance with the Argen default settings or recommendations could result in a restoration failure.

FACTS:

- Super Translucent zirconia 25% more translucency than HT zirconia
- Flexural strength of 765MPa



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ADJUSTING & FINISHING:

- For any necessary anatomical adjustments, additional surface texture and polishing before staining and glazing the units, only use grinding/finishing burs indicated for zirconia
- Use light hand pressure when grinding and finishing to avoid overheating. Some grinding and finishing burs require water-cooling during use to minimize heating and the risk of any micro-fractures
- Do not exceed the manufacturer's recommended bur speeds

POLISHING:

- It is important to polish any rough surfaces on the zirconia unit to avoid wear of the patient's opposing dentition
- All surfaces in occlusion (static & dynamic) should have a smooth/polished surface before staining and glazing
- It is not necessary to polish the surfaces that do not come into occlusion with the opposing dentition

NOTE:

All abrasive tool manufacturers have burs specifically designed for adjusting, finishing and polishing zirconia.

STAINING & GLAZING:

- Before staining and glazing, lightly microblast all external surfaces of the restoration with 50 micron alumina oxide at 30 to 50 psi
- After microblasting, clean the unit in distilled water in an ultrasonic or steam clean to remove any remaining surface contaminants
- Use the prescribed shade tab, pictures or custom prescription to finalize the desired shade with ceramic stains and glaze
- Low fusing fluorescent stain and glaze systems are recommended for best results
- Stains may be applied in one or several separately fired layers to achieve the prescribed shade or customised effects
- When the correct hue, chroma and value are achieved, apply a liberal glaze layer onto the entire surface of the restoration. The amount of glaze, application technique and firing temperature can be adjusted to effect the texture of glazed surface
- A final glaze layer is recommended after all stain layers are applied and fired to protect the stains and completely glaze the surface of unit

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