

DALE DENTAL

PRODUCT TECH SPECS

Procera® Zirconia

MANUFACTURER – Nobel Biocare, www.nobelbiocare.com, 800.933.8100

YEAR LAUNCHED – 1995

AVAILABLE AT DALE DENTAL SINCE – 2000

CERTIFICATIONS – Dale Dental is a Certified Nobel Biocare Laboratory

DESCRIPTION – The Procera CAD/CAM fabrication process involves digitally recording the shape of your die in a computer using a touch-style scanner. The data collected from the scanner is interpreted by specialized software and displayed on a monitor. An experienced technician then examines the file in detail and marks the margins around all 360° of the unit. The final data is then used to mill a new die that has been expanded to accommodate for the shrinkage of the alumina or zirconia sintering process. The alumina is applied and sintered. The external aspect of the coping is then milled to an exact depth resulting in the final thickness of the unit. This process also yields extremely accurate reproductions of your waxed-up custom abutments in titanium, alumina or zirconia.

Learn more at www.DaleDental.com

RESTORATION SELECTOR SMARTCHART

Indications		
Single Unit Yes	Bridges Up to 10 units including cantilever and splints	Laminates Yes – .3 mm thickness
Inlay/Onlay No	Material Zirconia Oxide	Flexural Strength 1200 MPa
Thickness .7 mm standard Zirconia; contour (double scan) also available	Span Up to 10 units	Prep Type All-Ceramic
Coping Color Opacious white	Translucency Low	Cements Contact manufacturer for details
Turnaround Single unit – 2 Day, 3 Day, 4 Day Bridge – 5 Day Splint – 5 Day	Porcelain Type Zirconia compatible – contact manufacturer for specific details and compatibility	Trial Sizes Available at Dale Dental Yes

LABORATORY PREPARATION

Start with a model made from a class IV, or equivalent die stone. Bulk trim dies to reveal an accurate view of the finish line and mark the finish line. Begin gross reduction using a pear-shaped burr.

Bridges – Add connector information for proper alignment.

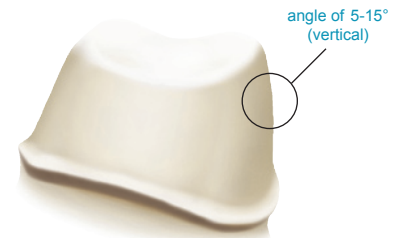
Laminate – The preparation may not extend more than 3 mm on the palatal side and it may not extend more than 1 mm beyond the mesial and distal contact points.

Build-ups

Severely prepped teeth should be built up.

Angulation

Note proper angulation of prep area.



Model Prep

Stone Color – Light color stones such as white or buff work best and yield the most accurate result.

Stone Type – Type IV die stone or similar

Stone Expansion – Low

Block out – Do not block out

Margin – The die must have a clearly defined ditched margin; use a margin pencil to outline the finish line on the die(s).

Conditioner/Sealer – May apply conditioner or sealer. The hardener creates a smooth surface allowing the sapphire tip to run easily across the die during scanning.

Die Spacer – Do not use a die spacer. The Procera process automatically incorporates a 50µm spacer to within 1 mm of the margin. Any die spacer applied by your laboratory will result in additional cement space greater than what has been applied.

Wax Ups – Wax-ups are necessary only for bridge frameworks and contour or double scan copings. Your wax-ups should be fabricated in the same fashion as a metal coping regarding height, contours and porcelain support. Wax a coping for each of the abutment units. It is not necessary to include the pontic in your wax-up. We will match and contour a preformed Zirconia Procera pontic to the edentulous area.

Articulator – An articulation is not necessary if the case can be hand set. If articulation is included the model must be removed from it. If case is difficult to articulate, please send bite registration.

Splints – If there are splints, the interdental space between the margins must be a minimum of 1 mm.

(continued on back)



An ISO 9001:2008 Certified Company

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All Dale Dental copings and bridge frameworks are manufactured in the USA
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