

ROBERTSONS DENTAL LAB

ALL CERAMIC CROWN AND BRIDGE INFORMATION GUIDE

PRODUCT	DESCRIPTION	FLEXURAL STRENGTH	TRANSLUCENCY	INDICATIONS	CONTRAINDICATIONS	PREP REQUIREMENTS	CEMENTATION
KATANA	Monolithic Zirconia with incisal, body and gingival color manufactured into the milling puck for very life appearance	Ultra 575 MPa	43%	Anterior and bicuspid crowns, 3unit anterior bridges when bonding is NOT required	Bridges other than 3 unit Anterior, inlay retained bridges, splinted restorations, second and third molars, cases with dark prep	Shoulder or heavy chamfer margin, 2 mm occlusal reduction, 1.5 mm axial reduction, 1mm reduction at the gingival margin	Conventional cementation
		Super 758 MPa	38%	Anterior crowns and posterior crowns, 3unit anterior bridges when bonding is NOT required. Second and third molars if aesthetics primary concern & no bruxing present	Bridges other than 3 unit Anterior, inlay retained bridges, splinted restorations, second & third molars if bruxing present, cases with dark prep	Shoulder or heavy chamfer margin, 2 mm occlusal reduction, 1.5 mm axial reduction, 1mm reduction at the gingival margin	Conventional cementation
e.max	Monolithic Lithium disilicate	427 MPa	44%	Veneers, inlays, onlays, partial crowns anterior crown, 3unit anterior bridges where bonding is required	Bridges other than 3 unit Anterior, inlay retained bridges, splinted restorations, second and third molars, cases with dark prep	Shoulder or heavy chamfer margin, 2 mm occlusal reduction, 1.5 mm axial reduction, 1mm reduction at the gingival margin	Bond or conventionally cement
ZIRLUX	Monolithic Zirconia	1200 MPa	31%	Anterior and poster crowns and bridges of any size when strength is most important.	Highly esthetic cases, long span bridges, bridges with minimal interarch space	Shoulder preparation not needed, feather edge okay. Any preparation with at least .75mm reduction on occlusal.	Conventional cementation
LAYERED ZIRCONIA	A zirconia coping fully layered with porcelain allowing unlimited internal characterization	100 MPa plus strength of coping	Varies by the material chosen by the Technician	Anterior and poster crowns and bridges of any size, cases that require significant variation in color, cases with dark prep	Patient with habits of function that could cause chipping or breaking	Shoulder or heavy chamfer margin, 2 mm occlusal reduction, 1.5 mm axial reduction, 1mm reduction at the gingival margin	Conventional cementation
MICRO CUTBACK ZIRCONIA	Full Contour Zirconia with a small amount of porcelain layered onto the incisal for a more life like look	1200 MPa if incisal porcelain is not in function	Varies by the material chosen by the technician at incisal. 31% everywhere else	Anterior and poster crowns and bridges of any size, cases with dark prep	Highly esthetic cases	Shoulder or heavy chamfer margin, 2 mm occlusal reduction, 1.5 mm axial reduction, 1mm reduction at the gingival margin	Conventional cementation