

Characteristics of All Ceramic Restorations

	Feldspathic	e.max Press	Zenith	Lava
Application	Where translucency is paramount	Where translucency with added strength is paramount	Excellent balance between strength & aesthetics	Ultimate balance between strength & aesthetics
Material	Feldspathic Porcelain	Lithium disilicate (Pressable glass ceramic)	Zirconia	Zirconia
Strength	100 Mpa	400 Mpa	1200 Mpa	1200 Mpa
Production	In-House	In-House	In-House	CAD In-House CAM Techceram
Translucency	Highest	Very High (Multiple levels available)	Above average	Above average
Thickness	0.4mm +	1.2 - 1.5mm	0.4 to 0.7mm + porcelain	0.4 to 0.7 mm + porcelain
Framework shades	NA	20+ shades	4 shades	8 shades
Veneering porcelain	Shofu vintage	Can be cut back & veneered using e.max ceram	Shofu vintage Zr	Shofu vintage Zr
Crown & Bridge	Single crown	Single crown 3 unit bridge within pre-molar to pre-molar region	Single crown Bridge up to 48mm in length (typically 6units)	Single crown Bridge up to 48mm in length (typically 6units)
Number of Pontics	NA	1 only, no cantilever	4 (anterior) 3 (posterior) 1 cantilever	4 (anterior) 3 (posterior) 1 cantilever
Veneer Maryland Inlay/Onlay	Yes - 0.4mm NA NA	Yes - 0.3mm NA Yes (recommended)	NA NA NA	NA Yes Yes - inlay bridge possible
Cementation	Adhesive/ composite for higher bond strength	Adhesive/ composite recommended	Glass ionomer or composite	Glass ionomer or composite