
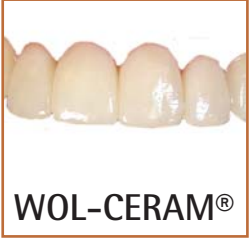



# All-Ceramic

PRODUCTS			
<b>Indications</b>	Veneers, crowns, inlays & Onlays	Full coverage crowns, & Implant abutments	Veneers, full-coverage crowns, Bridges, Inlays Onlays, and Implant suprastructure
<b>Features /Benefits</b>	Metal-free Natural aesthetics Superior strength High translucency Ex. Marginal Integrity Wear compatibility	Precise fit Conventionally cemented Traditional PFM preps Cost effective Consistent thickness Ex. Marginal integrity	Hi-plaque resistance Inc. abrasion resistance Low modulus of elasticity
<b>Preparation</b>	Shoulder margin design 1.0mm Min. at the margin 1.5-2.0mm reduction at Incisal, facial lingual	Any margin design. Traditional 1.5-2.0mm axial wall, incisal occlusal	But joint or supragingival margin design. 1.0mm Minimum at the margin. 1.5-2.0mm reduction at Incisal, facial lingual
<b>Cementation</b>	Enamel-dentin adhesive Bonding system	Dual cured resins, or zinc phosphate cements	Enamel-dentin adhesive bonding system
<b>Composition</b>	Leucite reinforced core	Alumina cores	Strontium glass & silica fillers
<b>Physical Properties</b>			
a. Flexural strength	220 Mpa	500 MPa (Alumina)	105MPa
b. Compressive strength			400MPa
c. Bonding strength	200 MPa		
d. Impact strength			7.5mj/mm <sup>2</sup>
e. Marginal gap width	< 50 µm		
f. Water absorption			19µg/mm <sup>3</sup> (60 days)
g. Marginal integrity	< 50 µm		
h. Flexural modulus			4.8 GPa
<b>Proven Success in-mouth</b>	10+ years	14+ years	7+ years
<b>In-Lab Time</b>	10 days	10 days	5 days
<b>Other Products Offered</b>	Lava™, Procera®, Captek™, PFM, FCC, Implants, Acrylic dentures, Acrylic/Metal partials and Valplast® flexible partial.		

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