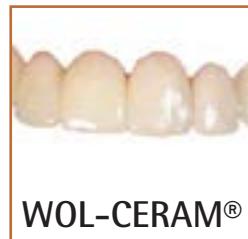


All-Ceramic



PRODUCTS

Indications	IPS EMPRESS® Veneers, crowns, inlays & Onlays	WOL-CERAM® Full coverage crowns, & Implant abutments	SINFONY™ Veneers, full-coverage crowns, Bridges, Inlays Onlays, and Implant suprastructure
Features /Benefits	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
Preparation	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
Cementation	Enamel-dentin adhesive Bonding system	Dual cured resins, or zinc phosphate cements	Enamel-dentin adhesive bonding system
Composition	Leucite reinforced core	Alumina cores	Strontium glass & silica fillers
Physical Properties	a. Flexural strength b. Compressive strength c. Bonding strength d. Impact strength e. Marginal gap width f. Water absorption g. Marginal integrity h. Flexural modulus	220 Mpa 200 MPa < 50 µm < 50 µm	500 MPa (Alumina) 105MPa 400MPa 7.5mj/mm ² 19µg/mm ³ (60 days) 4.8 GPa
Proven Success in-mouth	10+ years	14+ years	7+ years
In-Lab Time	10 days	10 days	5 days
Other Products Offered	Lava™, Procera®, Captek™, PFM, FCC, Implants, Acrylic dentures, Acrylic/Metal partials and Valplast® flexible partial.		

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