

# Cement-It<sup>®</sup> Universal C&B<sup>™</sup> Resin Cementation System

## Properties:

Bond strength to non-precious metal (with <i>Bond-It</i> or <i>BondI</i> adhesive):	28.0 MPa
Bond strength to gold:	24.0 MPa
Bond strength to semi-precious metal:	22.0 MPa
Filler type:	Barium boro-silicate-glass
Filler percentage by weight:	58%
Filler percentage by volume:	55%
Filler particle size (avg):	1 $\mu$ m
Filler particle range:	0.01 – 5 $\mu$ m
Film thickness:	$\leq$ 21 $\mu$ m
Diametral tensile strength:	55 MPa
Flexural strength:	104 MPa
Modulus of elasticity in compression:	4.5 GPa
Compressive strength:	235 MPa
Water sorption:	15 mg/mm/wk
Linear coefficient of thermal expansion:	34 ppm
Color stability (ADA spec. 27):	pass
X-ray opacity (ADA spec. 27):	pass