

SBS of NX3 along with Several Commercial Resin Cements to Various Substrates

Study Conducted by Dr. James Dunn & Dr. Huan Lu from Loma Linda University

January 31, 2007

Dentin/Enamel

Cement	Adhesive	Dentin	Enamel
Calibra	Prime&Bond NT + Activator	16.3 (5.6)	36.4(6.4)
Variolink II	Excite DSC + Activated Applicator	17.6(6.8)	21.9(5.8)
NX3 Dual-Cure	OptiBond Solo Plus (No Activator)	27.5(4.5)	29.1(2.5)
NX3 Dual-Cure	OptiBond All-In-One (No Activator)	27.4(7.6)	26.2(4.2)
Multilink	SE Primers A&B	10.0(5.8)	23.7(5.8)

Vitablocs Mark II (Porcelain)

Cement	Vitablocs Mark II (Porcelain)
Calibra	17.4(4.1)
Variolink II	21.4(3.8)
NX3 Dual-Cure	23.3(2.7)
Multilink	18.3(4.2)

Metal: Rexillum, Gold, Lava

Cement	Adhesive	Rexillum	Gold	Lava
Calibra	Prime&Bond NT + Activator	27.3(3.4)	15.7(6.1)	23.6(5.7)
Variolink II	Excite DSC + Activated Applicator	25.6(6.3)	23.3(2.7)	26.1(6.8)
NX3 Dual-Cure	OptiBond Solo Plus (No Activator)	30.5(6.9)	19.0(5.5)	21.5(7.8)
NX3 Dual-Cure	None	22.6(8.8)	25.8(6.0)	15.2(4.4)
Multilink	Metal Primer	24.4(4.0)	17.6(6.8)	21.1(7.8)