

SCIENTIFIC INFORMATION

Futurabond NR / DC – Technical Profile

Micro tensile bond strength on human dentine (X-tra Fil)	39.3 MPa	University of Tanta
Shear bond strength on human enamel (Grandio)	30.9 MPa	analogous Reinhardt*
Shear bond strength on human dentine (Grandio)	30.2 MPa	analogous Reinhardt*
Shear bond strength on human enamel	24.5 MPa	MH Hannover
Shear bond strength on human enamel (after additional etching with H ₃ PO ₄)	36.1 MPa	MH Hannover
Marginal seal on enamel	97%	University of Münster
Marginal seal on dentin	99%	University of Münster

All bond strength tests were performed after light-curing. For bond strength values after pure chemical-curing see Technical Profile Bifix QM.

The stated measurement values do not represent a specified value within the scope of the VOCO GmbH quality assurance system.

* Reinhardt KJ, *Phillip Journal* 3-4, 1997, 101-104.