

# SCIENTIFIC INFORMATION

## Futurabond M – Technical Profile

Shear bond strength on bovine dentin (1 h, 37 °C water storage)	17.3 MPa	analogous Reinhardt*
Shear bond strength on bovine dentin (23 h, 37 °C water storage)	16.6 MPa	analogous Reinhardt*
Shear bond strength on bovine dentin (after thermocycling, 3000 cycles, 5°/55° C)	15.9 MPa	analogous Reinhardt*
Shear bond strength on bovine enamel (1 h, 37 °C water storage)	15.0 MPa	analogous Reinhardt*
Shear bond strength on bovine enamel (23 h, 37 °C water storage)	17.6 MPa	analogous Reinhardt*
Shear bond strength on bovine enamel (after thermocycling, 3000 cycles, 5°/55° C)	21.2 MPa	analogous Reinhardt*
pH- value (initial)	2.0	
pH- value (after polymerization)	neutral	
Margin quality 1 dentine (class V, Grandio) (21 d water storage, thermocycling 2000 cycles)	98.2%	Charité, Dr. U. Blunck
Margin quality 1 enamel (class V, Grandio) (21 d water storage, thermocycling 2000 cycles)	99.5%	Charité, Dr. U. Blunck

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.