



Sole UK Distributors Of
REINHARDT-TECHNIK
 Metering, Mixing &
 Dispensing Systems



Bonham Drive, Eurolink Industrial Estate
 Sittingbourne, Kent. ME10 3RY
 Tel 01795 427888 Fax 01795 479685
 Email: sales@eurobond-adhesives.co.uk
 Web: www.eurobond-adhesives.co.uk

Technical Data Sheet

VITRALIT 6441 VT

High Viscosity Structural Glass Bonder

VITRALIT 6441 VT is a 100% solids, UV curable adhesive specially formulated to form high strength bonds between glass, steel, ceramic, stainless steel, aluminum and some plastics. Bonds prepared from **VITRALIT 6441 VT** are strong, optically clear and resistant to moisture.

UNCURED PROPERTIES

Composition	Aliphatic urethane acrylate/monomer blend
Viscosity	VT & Gel are thixotropic
Appearance	Transparent thixotropic liquid
Specific Gravity	1.1 to 1.3 at 25°C
Flash point	Greater than 93°C
Toxicity	Refer to Material Safety Data Sheet

CURED PROPERTIES

Durometer	Shore D75-85
Water Absorption	Less than 1% (24 hour immersion)
Temperature Range	-40°C to 120°C
Elongation at Break	To be determined
Refractive Index	To be determined

CURING INFORMATION

<u>Cure Mechanism</u>	<u>Substrates</u>	<u>Bond Gap</u>	<u>Time</u>
UV (35-45mW/cm ²)	glass to glass	0,025-0,05mm	5-10 seconds

TENSILE SHEAR STRENGTH

Tensile Shear N/mm² average strength

Glass/Glass	@	22°C 11.34 *Material failure
Glass/Steel	@	22°C 17.42
Glass/Aluminium	@	22°C 14.38

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