



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



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**Technical Data Sheet**

**VITRALIT 6441LV**

**Low Viscosity Structural Glass Bonder**

**VITRALIT 6441LV** 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 6441LV** are strong, optically clear and resistant to moisture.

**UNCURED PROPERTIES**

Composition	Aliphatic urethane acrylate/monomer blend
Viscosity	60-90 cps at 25°C
Appearance	Transparent 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**

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

**TENSILE SHEAR STRENGTH**

Tensile Shear N/mm<sup>2</sup> average strength

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

No liability is accepted for any injury, loss or damage arising directly from the use of the Company's products or from the use of information given in our publications, which is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

