



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 VBB-1

Product Description

VITRALIT VBB-1 is a UV / visible light curable, multi-substrate glass bonder that exhibits excellent peel strength and exceptional flexibility producing tough, durable and moisture resistant bonds. The cured product is optically clear and demonstrates outstanding elongation under stress. It is recommended for applications where resistance to the extremes of thermal cycling are required. It is very well suited for use as a UV curable glass bevel bonder. It contains no acids, corrosive ingredients or hazardous materials. When cured, excess material is easily removed with a craft knife.

VBB-1 will cure with either low power U V lamps or white light from standard fluorescent fittings. This unique on-curing ability eliminates any problems of under cure and subsequent bond failure in service.

VBB-1 meets the requirement of BS 5713.

Uncured Properties

Viscosity	1,000 cps at 25°C
Resin	Modified Urethane
Colour	Clear - Amber
Specific Gravity	1.1 - 1.2 at 25°C
Flash Point	93°C

Cured Properties

Durometer	Shore A = 75
Water Absorption	Less than 1% (24 hour immersion, room temperature)
Service Temperature	-50°C to +150°C

Curing Information

<u>Cure Mechanism</u>	<u>Substrates</u>	<u>Bond Gap</u>	<u>Time</u>
UV (40mw/cm ²)	glass - glass	0.0254 - 0.0508 mm	5 - 10 seconds
Fluorescent Light	glass - glass	0.0254 - 0.0508 mm	about 1 minute

15.05.98

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.