



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 X-504-16-1 GEL FAST

Vitralit X-504-16-1 Gel Fast is a UV/Visible Light Curable, multi-substrate bonder that exhibits excellent peel strength. The cured product is optically clear, exceptionally flexible and demonstrates outstanding elongation. Vitralit X-504-16-1 Gel Fast is recommended for applications where a tough, durable, and moisture resistant bond is required. The visible light curing capabilities of Vitralit X-504-16-1 Gel Fast make it suitable for use with substrates, which block UV light. Vitralit X-504-16-1 Gel Fast contains no acids, hazardous materials or corrosive ingredients

UNCURED PROPERTIES

Viscosity	600 cps at 25°C
Resin	Urethane
Colour	Clear and water white
Specific Gravity	1.1-1.2 at 25°C
Flashpoint	93°C

CURED PROPERTIES

Durometer	20-30 Shore D
Water Absorption	0.5% (24-hour immersion test, room temperature)
Temperature Range	-50°C to +150°C
Tensile Strength	3N/mm ²

CURING INFORMATION

UV Intensity	Substrates	Bond Gap	Time
40mw/cm ²	glass-glass	0.025 – 0.058 mm	10-15 seconds

These are typical properties and are not meant to be product specifications.

VITRALIT X-504-16-1 GEL FAST (cont)

TYPICAL APPLICATIONS

Glass bonding where gap-filling is required e.g. on castings or on undulating surfaces of toughened glass.

Bonding of stainless steel or other decorative metals to glass panels where bond is visible.

Bonding of glass/acrylic combinations.

Attachment of stainless steel or powder coated metal hinges, handles etc to glass doors - avoiding need for drilling holes in glass.

Glass/glass or glass/metal bonding in high humidity locations e.g. showers, kitchens etc.

Sealing and bonding of glass bezels into metal housings on lighting applications.

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