



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 1691

**VITRALIT 1691** is a Dual cure black Glob-Top electronic sealant. It is intended as a chip coat sealant for use on all types of chip coating applications.

It can be cured by either UV light or temperature or a combination of both. It has a high ionic purity (NA +< 10 ppm) and when cured has a high temperature resistance with good thermal stability. In addition to a fast UV / thermal cure it can also be cured with infra - red radiation. Under the ideal storage conditions of +5°C, kept in closed original containers, **VITRALIT 1691** can be stored for about six months.

### Technical Data

Colour	Black
Resin	Epoxy
Filler	Approx. 50% Quartz

### Uncured Properties

Viscosity (Brookfield LVT)(imPa*s)	280000 to 310000
Flash Point	> 100°C
Density	Approx 1.5

### Curing

UV (UV-A 70mW/cm <sup>2</sup> OF trocken (sec)	120
Thermal curing: 110°C (min)	2
Full strength	After 24 hours
Maximum thickness	1 mm

### Cured Properties

Temperature rating	-40 - 180°C
Hardness Shore D	80 to 90
Shrinkage (%)	1.4
Water absorption (%)	<0.2
TG DSG (°C)	100 - 120
Thermal expansion (ppm/K)	75
Thermal conductivity (W/mK)	0.6

04.03.2005

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.

