



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



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Technical Data Sheet

VITRALIT 1670D

VITRALIT 1670D is a UV curing epoxy resin, specifically developed for use as a Dam-Material. Its primary use is in the coating of larger size micro electronic processor chips.

VITRALIT 1670D is compatible for use with several of the standard VITRALIT chip coat materials, such as VITRALIT 1600, 1600LV and 1660.

VITRALIT 1670D has a very low ionic content (NA + < 5ppm; K + < 5ppm; Cl- < 5ppm) and a very high Tg value with excellent chemical resistance.

VITRALIT 1670D has a dual cure catalyst system and can be cured by the application of UVA, heat or a combination of both.

VITRALIT 1670D has a rheology developed to allow easy dispensing through both multi and single needle applicator heads, without the air entrapment problems normally associated with thixotropic Dam-Materials.

Technical Data Uncured Properties

Colour	Grey
Resin	Epoxy
Filler	approx. 46% Quarz <10µm
Viscosity (Brookfield LVT/25°C)	90,000 to 120,000 mPa
Specific gravity	1.5 g/cm ³
Flash Point	> 100°C

Curing

UV (UV-A60mW/cm ²)	60 seconds
Thermal curing @ 105°C	30 minutes
Maximum thickness of cure	24 hours

Technical Data Cured Properties

Hardness Shore D	80 - 90
Temperature rating	-40 to +180°C
TG DSC	> 150°C
Thermal expansion	40 ppm/K

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