



UK DISTRIBUTORS OF
REINHARDT-TECHNIK
Metering & Mixing
Dispensing Systems



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Vitralit® X-506-40-1 – Technical data sheet

° Temporary Datasheet. The technical statements are only guidelines and can be changed at any time.

Vitralit® X-506-40-1 is a UV/ML curing acrylate adhesive with short curing time and a dry surface. It has a good adhesion to many substrates like metal, ceramics, glass and lots of plastics. Vitralit® X-506-40-1 is very flexible and ductile with a very good resilience.

Vitralit® X-506-40-1 is used for potting application, stress release, coating and for "form in place gasket".

With all its abilities it is an alternative to UV- silicones.

Shelf life: in closed original packing unit at 10 - 25°C without UV- irradiation 12 months.

Technical Data

Colour Resin		Slightly amber Acrylate
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Uncured properties

Viscosity (Brookfield LVT/25°C) [mPa·s]	PE-Norm P001	1000 to 2500
Flash point [°C]	PE-Norm P050	> 93
Density [g/cm ³]	PE-Norm P003	approx. 1.15
Refractive Index [nD20]	PE-Norm P018	1.479

Curing

UV(UV-A 70mW/cm ²) [Sec]	PE-Norm P002	30
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Cured properties

Temperature Resistance [°C]	PE-Norm P030	-50 to 150
Hardness [Shore D]	PE-Norm P052	25 to 35
Water Absorption [mass-%]	PE-Norm P053	< 1

Instructions for Use

Surface Preparation

The surfaces to be adhered should be free of dust, oil, fat or any other dirt in order to optimise reproducible bonds. Lightly soiled surfaces can be cleaned with cleaner IPA, whereas substrates with low surface energy (such as polyethylene, polypropylene or Teflon) need to be treated physically using plasma or corona to create a suitable working surface.

Application

Our products are delivered ready for use. As soon as you receive them, you can dispense them, be it by hand from the container, or semi/fully automatically. When applied automatically, we recommend the use of air pressure with the appropriate cartridge/piston combination to dispense the adhesive at the required speed and accuracy

Please read the corresponding **Safety Data Sheet** for this product.

10.06.15

No liability is accepted for any injury, loss or damage arising directly or indirectly 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.

