

TECHNICAL DATASHEET

Vitralit® 9140 VL

Vitralit ® 9140 VL is a low-viscose, light curing adhesive on an acrylic resin base. It has great flexibility and humidity resistance and does cure in thicker layers as well. The long-wave light curing process allows bonding with UV-A blocked substrates. The product adheres to PMMA very well and is also suitable for large surface bonding.

Shelf life:

Store in original, unopened containers for 6 months at max. 25°C

Technical Data

Color	amber
Resin	Urethan-Acrylat
UNCURED PROPERTIES	

Viscosity (Brookfield LVT/25°C) [mPa*s] Flash point [°C] Density [g/cm ³] Refractive Index [nD20] Curing	PE-Norm P001 PE-Norm P050 PE-Norm P051 PE-Norm P018	1000 to 2000 > 93 approx. 1.1 1.487
UV(UV-A 60mW/cm ² Thickn. 0,05mm): [sec.]	PE-Norm P002	10
Visible Light (9W Röhre, 6-7 mW/cm ²)) :[sec.]	PE-Norm P037	30
Full Strength [hours]	PE-Norm P032	after 12
Depth of Cure [mm]	PE-Norm P033	5

CURED PROPERTIES

PE-Norm P030 -2	10 to 130
PE-Norm P052	50 to 70
PE-Norm P031	3
PE-Norm P053	< 9.5
PE-Norm P009	-20 to -10
ASTM 1530	0,45
PE-Norm P055	9.5
	PE-Norm P052 PE-Norm P031 PE-Norm P053 PE-Norm P009 - ASTM 1530

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the tended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements.For an additional technical consultation, please contact our RD department. In general, for guarantee claims, please refer to our standard terms and conditions.

Adhesives and more...

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Otherwise the guidelines for application, storage etc. in our general Data Sheet Vitralit® are valid.

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panaco adhesives & more

mechanical data

Compression Shear Strength (PC/PC) [MPa] Compression Shear Strength (PC/PMMA) [MPa] Compression Shear Strength (PC/FR4) [MPa] Elongation at Break [%] E-Modul [MPa]

Vitralit® 9140 VL

approx. 10	[PE-Norm P061]
approx. 4,2	[PE-Norm P061]
approx. 3,7	[PE-Norm P061]
approx. 161	[PE-Norm P060]
324	[PE-Norm P056]

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 IP, 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. For glass bonding applications we have developed a special primer pen which can be easy applied to prepare the surface for best results. <u>Application</u>

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. If help is required, please consult our engineering department

Please read the corresponding Safety Data Sheet for this product.

Adhesives and more...

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