

Vitralit® UV 2770 is a hard UV/VIS curing acrylic adhesive, solvent free and single component. This adhesive is especially developed for glass bonding.

Vitralit® UV 2770 is a clear low viscose adhesive with excellent capillary attraction. The product is brilliant applicable for hard but elastic bonding of glass- construction. The product is characterized by it's easy cleaning and vibration and oscillation uptake.

Furthermore is it by it's special formulation comparably useful for float glass, laminated glass and taughened glass.

Vitralit® UV 2770 can be cured with LED Flow.

**Shelf life:**

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

## Technical Data

Color	transparent
Resin	acrylat

## UNCURED PROPERTIES

Viscosity(25 °C / Brookfield LVT /Sp. / UPM)	PE-Norm P001	30 to 100
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P051	approx. 1.05
Refractive Index [nD20]	PE-Norm P018	1.46

## Curing

UV(UV-A 359-400nm, 9mW/cm²): [sec.]	PE-Norm P002	12
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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.

## CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-20 to 120
Hardness Shore D	PE-Norm P052	50 to 70
Shrinkage [Vol-%]	PE-Norm P031	3.1

Adhesives  
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## Mechanical Data

Compression Shear Strength (Glass/Glass) [MPa]	[PE-Norm P061]	approx. 15
Compression Shear Strength (Glass/Alu) [MPa]	[PE-Norm P061]	approx. 13
Compression Shear Strength (Glass/Stainless Steel) [MPa]	[PE-Norm P061]	approx. 14
Lap Shear Strength (Glass/Glass) [MPa]	[PE-Norm P013]	approx. 12
Elongation at Break [%]	[PE-Norm P060]	approx. 60

## 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 Reiniger 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 easily applied to prepare the surface for best results.

### 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. If help is required, please consult our engineering department

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

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