



TECHNICAL DATASHEET

Vitralit® 6133

Vitralit® 6133 is a UV- and light curing stress resistant adhesive with high impact strength.

Vitralit® 6133 was designed with the objective of bonding glass with metal, stone and some other hard materials. It bonds laminated safety glass (LSG) to LSG and LSG to metal (especially aluminium and stainless steel).

Shelf life:

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

Technical Data

Color	transparent
Resin	acrylat

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa*s]	PE-Norm P001	600 to 1000
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P051	approx. 1.05
Refractive Index [nD20]	PE-Norm P018	1.47

Curing

UV(UV-A 30mW/cm² bei 50µ): [sec.]	PE-Norm P002	9
Visible Light () :[sec.]	PE-Norm P037	10
Full Strength [hours]	PE-Norm P032	12

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-20 to 120
Hardness Shore D	PE-Norm P052	65 to 85
Shrinkage [Vol-%]	PE-Norm P031	3.2
Water Absorption [Gew-%]	PE-Norm P053	< 1.4
TG DSC [°C]	PE-Norm P009	> 70

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended 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...

Mechanical Data

Compression Shear Strength (Glass/Glass) [MPa]	[PE-Norm P061]	approx. 24
Compression Shear Strength (Glass/Alu) [MPa]	[PE-Norm P061]	approx. 29
Compression Shear Strength (Glass/Stainless Steel) [MPa]	[PE-Norm P061]	approx. 22
Elongation at Break [%]	[PE-Norm P060]	approx. 5,3

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.

Adhesives
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