TECHNICAL DATASHEET

Vitralit® 4755

Vitralit® 4755 is a 100% solids, UV curable composition developed specifically to be used as a plating mask. Product X-507-55-2 will cure to a tack free surface when exposed to UV light of sufficient intensity. The cured product will withstand exposure to plating solutions. Areas under the cured coating will be protected from being plated.

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	7000 to 14000
Flash point [°C]	PE-Norm P050	> 93
Density [g/cm³]	PE-Norm P051	approx. 1.15

Curing

UV(UV-A 60mW/cm² Thickn. 0,05mm): [sec.]	PE-Norm P002	10
Full Strength [hours]	PE-Norm P032	12

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-30 to 120
Hardness Shore D	PE-Norm P052	75 to 90
Water Absorption [Gew-%]	PE-Norm P053	< 0,5

Adhesives and more...

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

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Mechanical Data

Lap Shear Strength (Glas/PC) [MPa]	[PE-Norm P013]	approx. 4,4
Lap Shear Strength (Alu/PC) [MPa]	[PE-Norm P013]	approx. 3,3
Lap Shear Strength (Alu/Glas) [MPa]	[PE-Norm P013]	approx. 2,9

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.

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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