

The products of the Structalit® 88xy series are due to its medium viscosity setting an all-purpose 1K-epoxy adhesive and potting compound. It is particularly suitable for bonding of materials that have a similar coefficient of thermal expansion e.g. metal/metal, glass/glass or plastic/plastic.

This product is available in different leveling characteristics named Structalit 8801, 8802, 8803, 8804. In this case 8801 has the lowest; 8804 the highest leveling potential.

**Shelf life:**

Store in original, unopened containers for 6 months at max. 0-10°C

## Technical Data

Color	beige
Resin	1K-Epoxy
Filler	Kreide

## UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa·s]	PE-Norm P001	30000 to 45000
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.37

## Thermal Curing

180 minutes at	80 °C	Object temperature
15 minutes at	100 °C	
5 minutes at	130 °C	

## CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 200
Hardness [Shore D]	PE-Norm P052	80 to 90
Shrinkage [Vol-%]	PE-Norm P031	.14
Water Absorption [mass-%]	PE-Norm P053	< 0.21
Tg [°C] (DSC)	PE-Norm P009	125 to 140
CTE [ppm/K]	PE-Norm P017	79.8
Thermal conductivity [W/m·K]	ASTM 1530	0,54

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...**



## TECHNICAL DATASHEET

## Structalit® 8801

### Mechanical Data

Lap Shear Strength (Alu/Alu) [MPa]	[PE-Norm P013] approx. 12.1
Lap Shear Strength (Steel/Steel) [MPa]	[PE-Norm P013] approx. 29.2
Lap Shear Strength (Messing/Messing) [MPa]	[PE-Norm P013] approx. 18.0

### 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.

#### 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.

Kleben  
und mehr...