

STRUCTALIT® 5810 is qualified for bonding, coating and filling of metal, glass and several synthetic materials. The mixing proportion is 2:1. A remarkable feature is the good adhesion to PC at temperature shock stress. STRUCTALIT® 5810 has a good resistance to humidity and chemicals.

Technical Data

Color transparent
Resin 2K-Epoxy

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa*s]	PE-Norm P001	2000 to 3000
Flash point [°C]	PE-Norm P050	> 100
Pot-Life [hours]	PE-Norm P019	approx. 7

Thermal Curing

24	hours at	25 °C
45	minutes at	80 °C
20	minutes at	120 °C
5	minutes at	150 °C

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 180
Hardness Shore D	PE-Norm P052	65 to 80
Volume resistivity [Ohm x cm]	ASTM-D-257-93	1E+14
Water Absorption [Gew-%]	PE-Norm P053	< 0,23
TG DSC [°C]	PE-Norm P009	55 to 60
Thermal Expansion [ppm/K]	PE-Norm P017	64

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 R&D department. In general, for guarantee claims, please refer to our standard terms and conditions.

**Adhesives
and more...**



TECHNICAL DATASHEET

Structalit® 5810

Mechanische Werte

Lap Shear Strength (Alu/Alu) [MPa]	[PE-Norm P013]	approx. 9,0
Lap Shear Strength (Stahl/Stahl) [MPa]	[PE-Norm P013]	approx. 17,7
Lap Shear Strength (Messing/Messing) [MPa]	[PE-Norm P013]	approx. 11,6
E-Modul [MPa]	[PE-Norm P056]	3300

Kleben
und mehr...

