Structalit® 5800 is a nonfilled 2K-Epoxid adhesive for universal using.
Dependning on the area for use it can be hardened thermal or in room temperature.
The formula is 1:1. Conspicuous is the versatile possibility for us and the high temperature resistance.

Technical Data
Color
Resin
Filler

UNCURED PROPERTIES
Viscosity (Brookfield LVT/25°C) [mPa*s] 7000 to 15000
Flash point [°C] > 97
Pot-Life [min.] approx. 30
Density [g/cm³] approx. 1.1

Thermal Curing
24 hours at 23 °C
15 minutes at 120 °C
5 minutes at 150 °C
45 minutes at 80 °C

CURED PROPERTIES
Temperature Resistance [°C] -40 to 200
Hardness Shore D 75 to 80
Water Absorption [Gew-%] < 0.5
TG DSC [°C] 34 to 50
Thermal Expansion [ppm/K] 60
Dielectric Constant [10kHz] 3.5

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TECHNICAL DATASHEET

Structalit® 5800

Mechanical Data

Lap Shear Strength (Alu/Alu) [MPa]  [PE-Norm P013] approx. 5.3
Lap Shear Strength (Stahl/Stahl) [MPa]  [PE-Norm P013] approx. 13.1
Lap Shear Strength (Messing) [MPa]  [PE-Norm P013] approx. 8.5

As a rule, the guidelines for application, storage and so on contained in our general Data Sheet on Structalit® apply.