

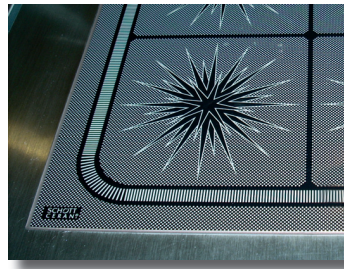
TB 77

**High Temperature
Silicone up to + 300 °C**

1-component adhesive/sealant, silicone-based, with high temperature resistance.

TB 77 cures neutral and is suitable for bonding and sealing of various substrates without pretreatment.

Due to its excellent properties TB 77 is used for bonding oven door glass, glass-ceramic cooktops, formed in place gaskets, for brackets, in the catering and automotive industry.



- neutral-cure, not corrosive on metal-/electric or electronic parts. Suitable also for natural stone worksurfaces
- excellent adhesion on glass, metal, wood, ceramic and plastics
- free of solvents and after curing odourless

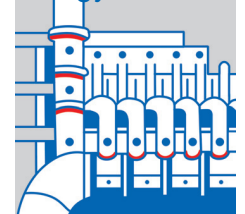
- good resistance against grease, chemical and mechanical loads
- outstanding resistance to ageing
- temperature resistant up to +300°C



Home & Cooking Appliances



Energy & Utilities



Technical data

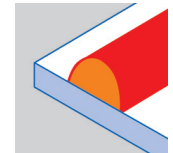
Base:	1-part silicone, neutral cure methyl
By-product of curing:	isobutyl ketoxime
color	anthrazit
density DIN EN ISO 2811-1):	1,22+/-0,06g/cm³
curing mechanism:	curing with humidity paste,
processing viscosity	stable
Processing temperature:	+5°C up to + 35°C
skin building time (at 23°C/50%r.h.):	approx. 8 min.
curing speed:	approx. 3 mm/24 hrs
Volume shrinkage acc. DIN 52451:	approx. 4%
allowed deformation:	approx. 25°
Shore-A-Hardness / DIN53505:	approx 38+/-6 Units
Temperature resistance:	-40°C up to +250°C/ 2000 hrs (short term) up to +300°C
Shelf-life in unopened cartridge:	18 months at +5°C up to +35°C

For processing TB 77 we recommend the use of manual/pneumatical guns or suitable dosing equipment.

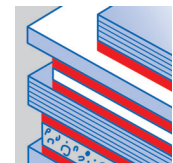
Cleaning

Uncured TB 77 can be removed with TB-Cleaner, cured product only mechanically.

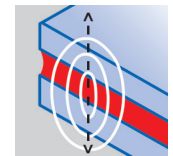
After use close filled nozzle air-tight with the cap. TB 77 cannot be over painted.



Non sagging



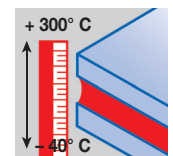
Good adhesion



Tens. strength > 1N/mm²



Weather-resistant



Temperature-resistant

Curing

The curing of TB 77 takes place by a chemical reaction with air humidity. The higher the humidity and temperature, the faster the curing speed.

Permanent loads with high temperatures can influence the properties as well as effect a change of the surfaces around it. Application tests before are recommended

Properties

After total curing TB 77 is odourless and shows the properties as above described.

According to our experiences over 2000 hours, a long term temperature resistance of + 250°C can be expected.

Processing

The bonding area has to be dry, clean and free of grease. For cleaning please use TB-Cleaner or a scouring-machine.

An additional pretreatment of the surfaces with TB-primers depends on detailed information and/or technical application tests in our laboratory.

Form of delivery

80 ml/ 150 ml / 310 ml cartridges Colour: anthracite

Safety instructions

By processing larger amounts in closed rooms take care for ventilation.

Please observe the notes given in the safety data sheet as well, which is available upon request.