SEMICOSIL® 988/1K

SILICONE ADHESIVE

Product description

SEMICOSIL® 988/1K is a non-slump, thermally curable, addition curing one-part silicone rubber.

Special features

- ready-to-use, one-part system
- low viscosity during dispensing; non-slump after dispensing
- gray
- medium hardness
- high flexibility (low-stress-adhesive)
- primerless adhesion to many substrates

Application

- FIPG and CIPG applications

Processing

Surface preparation
All surfaces must be clean and free of contaminants that will inhibit the cure of SEMICOSIL® 988/1K. Examples of inhibiting contaminants are sulfur containing materials, plasticizers, urethanes, amine containing materials and organometallic compounds – especially organotin compounds. If a substrate's ability to inhibit cure is unknown, a small scale test should be run to determine compatibility.

Curing
SEMICOSIL® 988/1K works best when cured at 125 °C or more depending on the size and heat sink properties of the components.

Temperature	Curing time, thickness 10 mm
100°C	6 h
130°C	1 h
150 °C	10 min

SEMICOSIL® 988/1K shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

According to current knowledge, SEMICOSIL® 988/1K contains neither toxic nor aggressive constituents that would necessitate special precautionary measures during handling. Consequently, general industrial hygiene precautions suffice.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site http://www.wacker.com.

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Color		gray
Density at 20 °C, at 1013 hPa		1,0 g/cm³
Viscosity at 23 °C (D = 0.5 1/s)	ISO 3219	450000 mPa*s
Viscosity at 23 °C (D = 25 1/s)	ISO 3219	30000 mPa*s
Product data (cured)		
Color		gray
Density at 23 °C	ISO 2781	1,1 g/cm³
Hardness Shore A	ASTM D 2240	35
Elongation at break	ISO 37	350 %
Tensile strength	ISO 37	4,50 N/mm^2
Modulus at 100 % elongation	ISO 37	0,5 N/mm²
Tear resistance	ASTM D 624 B	24 N/mm
Dielectric strength (1-mm-sheet)	VDE 0303, T22, IEC 243	23 kV/mm
Volume resistivity	VDE 0303, T30, IEC 93	10^{15} Ω·cm
Tracking resistance	IEC 112	> 600 CTI

Cured for 30 min at 150 °C in a circulating air oven.

These figures are only intended as a guide and should not be used in preparing specifications.

For technical, quality, or product safety questions, please contact:

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