

ELASTOSIL® N189

RTV-1 SILICONE RUBBER / ADHESIVE

Product description

ELASTOSIL® N189 is a non-slump silicone sealant which cures at room temperature under influence of atmospheric moisture.

Special features

- neutral-curing system (oxime)
- non-slump
- good resistance to mineral oil and antifreeze agents
- excellent heat stability
- excellent primerless adhesion to many substrates

Application

- multipurpose adhesive for technical applications
- CIPG- and FIPG-applications

Processing

ELASTOSIL® N189 shows good primerless adhesion to many substrates. We recommend to run preliminary tests to optimize conditions for the particular application.

Advice for application as FIPG- or CIPG-sealant is given in our leaflet "Modern Sealing Techniques with

Silicone Rubber"; general instructions are given in our leaflet "ELASTOSIL® RTV-1 Silicone Rubber".

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

During vulcanization of ELASTOSIL® N189, a total of 4% by weight of an oxime is being split off. These vapours should not be inhaled for long periods or in high concentration. Work areas should therefore be well ventilated. Contact of unvulcanized silicone rubber with eyes and mucous membranes must be avoided as this would cause irritation. However if it does happen, rinse the affected area thoroughly with water.

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		black
Density at 23 °C	ISO 1183-1 A	approx. 1,07 g/cm ³
Extrusion rate - volume flow		55 ml/min
Skin forming time at 23 °C, 50 % RH		10 - 15 min
Product data (cured)		
Color		black
Density at 23 °C	ISO 2781	1,09 g/cm ³
Hardness Shore A	ISO 868	32
Elongation at break	ISO 37	300 %
Tensile strength	ISO 37	2,0 N/mm ²
Volume resistivity	IEC 60093	80 Ω cm
Tear strength	ASTM D 624 B	7,0 N/mm

Curing conditions: 2 mm, 14 days storage at 23 °C and 50 % RH.

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

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

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