

ELASTOSIL[®] RT 713



Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL[®] RT 713 is a non-slump, addition-crosslinking, thermal-curing, one-component silicone rubber.

Properties

- ready-to-use, one-part system
- non-slump
- rapid heat cure
- low density
- low hardness
- high compressibility
- primerless adhesion to many substrates

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	gray	-
Viscosity, dynamic (D = 25 1/s)	23 °C	80000 mPa·s	ISO 3219
Density	-	approx. 0.75 g/cm ³	DIN 53479
Viscosity, dynamic	-	80000 mPa·s	-

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

Properties Cured

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

Property	Condition	Value	Method
Color	-	gray	-
Density	23 °C	0.75 g/cm ³	ISO 2781
Hardness Shore A	-	23	ISO 868
Tensile strength	-	1.5 N/mm ²	ISO 37
Elongation at break	-	300 %	ISO 37
Tear resistance	-	7 N/mm	ASTM D 624 B

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Measurement & Control, Sensor Technology
- Cured-In-Place-Gaskets (Dry Type)

Application details

- general-purpose sealant
- FIPG and CIPG applications

Processing

Surface preparation

All surfaces must be clean and free of contaminants that will inhibit the cure of ELASTOSIL® RT 713. 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.

Temperature	Curing time, thickness 1 cm
100 °C	4 h
130 °C	30 min
150 °C	10 min

Dispensing:

Because of the high thixotropy (shear thinning effect) ELASTOSIL® RT 713 can be dispensed easily with all dispensing equipments.

Curing:

ELASTOSIL® RT 713 works best when cured at 115 °C or more depending on the size and heat sink properties of the components.

ELASTOSIL® RT 713 shows good primerless adhesion to many substrates (metals, glass, ceramics, plastics). We recommend running preliminary tests to optimize conditions for the particular application.

Packaging and storage

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 the latest findings, the addition-curing silicone rubber ELASTOSIL® RT 713 contains neither toxic or corrosive substances which would require special handling precautions.

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>. 1 space line

QR Code ELASTOSIL® RT 713



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

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