

# ELASTOSIL<sup>®</sup> RT 480



## Room Temperature Curing Silicone Rubber (RTV-2)

Spreadable, condensation-curing, two-component silicone rubber that vulcanizes at room temperature.

Main application:

- production of molds
- sealing (FIPG)

## Properties

- self-levelling flow
- high Shore A hardness (approx. 55)
- high mechanical strength
- very good heat resistance
- low shrinkage

## Specific features

- Condensation-curing
- Spreadable self-levelling flow
- Two-component

## Technical data

### Properties Uncured

Property	Condition	Value	Method
Color	-	light gray	-
Viscosity, dynamic	23 °C	300000 - 400000 mPa·s	Brookfield
Density	20 °C	approx. 1.2 g/cm <sup>3</sup>	DIN 53217
Viscosity, dynamic	23 °C	300000 - 400000 mPa·s	Brookfield

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

### Catalyzed

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	250000 mPa·s	ISO 3219
Mix ratio T 37	-	4 %	-
Mix ratio T 40	-	3 %	-
Pot Life 3% T 40	-	20 min	-
Pot Life 4 % T 37	-	120 min	-
Curing time 3% T 40	-	3 h	-
Curing time 4% T 37	-	9 h	-
Linear shrinkage 3% T 40	-	0.25 %	-
Linear shrinkage 4% T 37	-	0.5 %	-

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

## Properties Cured

Property	Condition	Value	Method
Color	-	light gray	-
Density in water	23 °C	1.2 g/cm <sup>3</sup>	ISO 2781
Hardness Shore A	-	55	ISO 868
Tensile strength	-	4.5 N/mm <sup>2</sup>	ISO 37
Elongation at break	-	170 %	ISO 37
Tear strength	-	> 7 N/mm	ASTM D 624 B

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

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

- Reproduction Molding for Foundry, Arts and Handicrafts
- Industrial Assembly

## Application details

- mold-making material
- sealant (FIPG)

## Processing

ELASTOSIL® RT 480 is cured by adding Catalyst T37 for long pot lives and curing times, or Catalyst T40 for short pot lives and curing times.

**Please check also our brochures and info sheets.**

## 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

Catalysts T 37 and T 40 contain a tetraorganotin compound, are flammable and may cause irritation in contact with the eyes and skin. Adequate protective measures are required.

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>.

## QR Code ELASTOSIL® RT 480



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
[info@wacker.com](mailto:info@wacker.com), [www.wacker.com](http://www.wacker.com)

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.