

ELASTOSIL® RT 623 A/B

RTV-2 SILICONE RUBBER / PAD PRINTING

Product description

Pourable, addition-curing, two-component silicone rubber that vulcanizes at room temperature.

Special features

- very good flow
- high reactivity for fast demolding even if large amounts of silicone fluid are added
- fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- medium Shore A hardness (approx. 31)
- high tear strength
- long-term stability of the vulcanizate's mechanical properties, particularly its hardness

Application

Base rubber for making printing pads.

ELASTOSIL® RT 623 A/B has been specially designed as a base material for making printing pads.

The vulcanizate's high mechanical strength and long term stability of hardness make ELASTOSIL® RT 623 A/B an ideal base material for producing printing pads with excellent mechanical properties and long service life.

Processing

Important note:

The platinum catalyst is in component B.

Important:

A and B components may only be used together if they have the same batch number.

To ensure both optimum flow and homogeneity of the material, the components must be stirred thoroughly before they are removed or processed in their containers, in order to uniformly disperse any fillers that might have settled during storage.

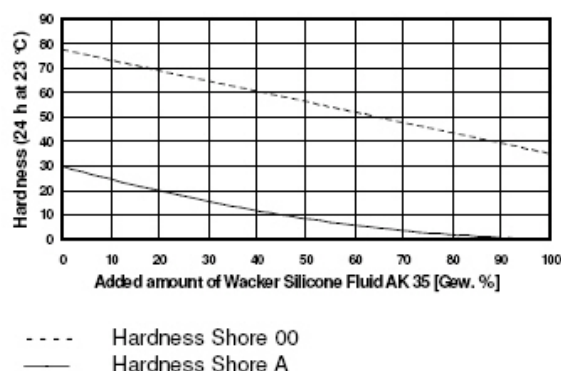
Dilution charts:

The following table shows the hardness of ELASTOSIL® RT 623 A/B as a function of the added amount of Wacker Silicone Fluid AK 35 for Durometer Types Shore A and Shore 00.

Comprehensive instructions are given in our leaflet "WACKER RTV-2 Silicone Rubber - Processing."

Hardness Shore A / Shore 00

Added amount of Wacker Silicone Fluid AK 35 [wt %]						
	0	30	50	70	100	120
Shore A	31	14	8	4	1	0
Shore 00	80	64	57	46	34	28



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.

Additional information

Please visit our website www.wacker.com

Safety notes

Components of the addition-curing grade ELASTOSIL® RT 623 A/B contain only constituents

that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply.

available on request from WACKER subsidiaries or may be printed via WACKER web site
<http://www.wacker.com>.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Component A		
Color		white
Density at 23 °C		1,14 g/cm ³
Viscosity at 23 °C, after stirring	ISO 3219	15000 mPa s
Component B		
Color		reddish brown
Density at 23 °C		1,02 g/cm ³
Viscosity at 23 °C, after stirring	ISO 3219	800 mPa s
Product data (catalyzed A + B)		
Mix ratio (pbw)	A : B	9 : 1
Viscosity at 23 °C	ISO 3219	10000 mPa s
Pot life at 23 °C, up to 60000 mPa s		30 min
Cure time, tack-free		5 h
Product data (cured)		
Color		reddish brown
Density at 23 °C in water	ISO 2781	1,12 g/cm ³
Hardness Shore A	ISO 868	31
Tensile strength	ISO 37	7,5 N/mm ²
Elongation at break	ISO 37	700 %
Tear-strength	ASTM D 624 B	> 30 N/mm
Linear shrinkage		< 0,1 %

After 24 h at 23°C.

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

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products 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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