

ELASTOSIL® A33

RTV-1 SILICONE RUBBER

Product description

ELASTOSIL® A33 is a non-slump RTV-1 silicone rubber, which cures at room temperature. During vulcanization it splits off an organic amine.

Special features

- ready-to-use, one-component system
- good mechanical properties
- primerless adhesion to many substrates

Application

- adhesive for the coating and sealing at high temperatures

Processing

ELASTOSIL® A33 shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

Comprehensive 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® A33, an organic amine is 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

Product data (uncured)

Typical general characteristics	Inspection Method	Value
Color		ivory
Density at 25 °C	DIN 51757	1,15 g/cm ³
Viscosity	ISO 3219	non-slump
Skin-forming time, 23 °C, 50 % RH		10 - 30 min
Curing time, 23 °C, 50 % RH		12 - 24 h/mm

Product data (cured)

Density at 23 °C	DIN EN ISO 1183-1 / ISO 2781	1,15 g/cm ³
Hardness Shore A	DIN 53 505 / ISO 868	25
Elongation at break	DIN 53504 S1 / ISO 37	350 %
Tensile strength	DIN 53504 S1 / ISO 37	2,50 N/mm ²
Tear strength	ASTM D 624 B	7,0 N/mm

2 mm, 14 d storage at 20 °C, 50 % RH

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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