

ELASTOSIL[®] E14 Red



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] E14 Red is a non-sag acetoxycure silicone rubber, which cures at room temperature under the influence of atmospheric moisture.

It shows excellent primerless adhesion to many substrates and outstanding heat stability even in long term exposure

Properties

- meets the physical requirements of MIL-A-46106, Group I, Type I and Group III, Type I
- Minimum service temperature -45 °C
- excellent heat stability: long term 200°C, peak temperature up to 250°C
- thixotropic paste

Specific features

- Heat resistant
- MIL-A 46106 grade
- Non-slump

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	red	-
Density	-	1.15 g/cm ³	DIN EN ISO 1183-1 A
Viscosity D = 0.5 1/s	23 °C	1000000	ISO 3219
Viscosity D = 25 1/s	23 °C	140000	ISO 3219
Curing time	23 °C 50 % r.h	12 h/mm	-
Skin forming time	23 °C 50 % r.h	15 - 20 min	-

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

Properties Cured

Property	Condition	Value	Method
Color	-	red	-
Density	23 °C	1.18 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore A	-	32	DIN ISO 48-4
Tensile strength	-	2.5 N/mm ²	ISO 37 type 3
Elongation at break	-	400 %	ISO 37 type 3

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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

- Appliances Industry
- Bonding & Sealing
- E-Mobility
- Formed-In-Place-Gaskets (Wet Type)
- Heating & Cooling
- Lighting
- Machine Building
- Railway Industry

Application details

High temperature resistant grade for sealing and bonding

Processing

ELASTOSIL® E14 Red shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

Detailed processing instructions are given in our brochure "ROOM TEMPERATURE VULCANIZING (RTV) SILICONES - MATERIAL AND PROCESSING GUIDELINES"

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

During vulcanization of ELASTOSIL® E14 Red, a total of 3% by weight of acetic acid 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.

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® E14 Red



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

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