

ELASTOSIL[®] E91 TRANSPARENT



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] E91 TRANSPARENT is a self-levelling silicone rubber with very good mechanical properties, which cures at room temperature under the influence of atmospheric moisture. Curing can be accelerated in a steam oven.

Properties

- titanium-based catalyst system
- co-catalyzed for fast curing in steam oven
- high elongation properties
- acetic acid-curing system
- self-levelling
- excellent primerless adhesion to many substrates

Specific features

- Self-levelling
- Solvent-free
- Tin-free catalysis

Technical data

Properties Uncured

Property	Condition	Value	Method
Density	23 °C	1.07 g/cm ³	DIN EN ISO 1183-1 A
Viscosity, dynamic (0.5 s ⁻¹)	25 °C	125000 mPa·s	DIN EN ISO 3219
Viscosity, dynamic (25 s ⁻¹)	25 °C	70000 mPa·s	DIN EN ISO 3219
Appearance	-	colorless	-

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

Properties Cured

Curing conditions: 2 mm, 14 days storage at 23 °C and 50 % RH.

Property	Condition	Value	Method
Hardness Shore A	-	20	DIN ISO 48-4
Tensile strength	-	1.2 N/mm ²	ISO 37 type 1
Elongation at break	-	350 %	ISO 37 type 1

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

- Anti-Slip Coating

Application details

Multipurpose glue and for textile coatings, e.g. antislip coatings

Processing

ELASTOSIL® E91 TRANSPARENT shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application. The one component silicone rubber can be easily extruded and cures at room temperature or steam curing under the influence of atmospheric moisture.

Skin forming time at 23°C / 50% rH: about 15 min.

Curing time at 23°C / 50% rH: 12 h/mm

Packaging and storage

Packaging

This product is available in 310 g cartridges, 20 kg pails and 200 kg drum kits.

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

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>.

During vulcanization of ELASTOSIL® E91 TRANSPARENT, 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.

QR Code ELASTOSIL® E91 TRANSPARENT



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, 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.