

ELASTOSIL[®] A07 TRANSLUCENT



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] A07 TRANSLUCENT is a free flowable, solvent-based RTV-1 silicone dispersion. It cures at room temperature or elevated temperature by reaction with air humidity to a flexible silicone coating. During cure it splits off an organic amine.

Properties

- ready-to-use, one-component system
- low module
- excellent primerless adhesion to many substrates
- no use of organotin catalysts

Specific features

- Flexible at low (-40 °C) and high temperatures (+180 °C)
- Flowable
- Low viscosity
- Primerless adhesion to most substrates
- Solvent-based

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	colourless	-
Viscosity, dynamic	-	8000 mPa·s	Brookfield
Curing time	23 °C 50 % r.h	12 h/mm	-
Density	-	0.98 g/cm ³	DIN 51757
Skin forming time	23.0 °C 50.0 % r.h	5.0 min	-
Solvent content (Toluene)	-	25 %	-

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

Properties Cured

2 mm, 14 days storage at 20 °C, 50 % RH.

Property	Condition	Value	Method
Density	23.0 °C	1.02 g/cm ³	ISO 2781
Hardness Shore A	-	20	ISO 868
Tensile strength	-	1.5 N/mm ²	ISO 37
Elongation at break	-	300 %	ISO 37
Tear strength	-	4.0 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

- Small Appliances
- Heating, Ventilation, Air Conditioning (HVAC)
- Small Appliances

Application details

Multipurpose sealant and coating material.

Processing

ELASTOSIL® A07 TRANSLUCENT is a free flowable, solvent-based RTV-1 silicone dispersion. It cures at room temperature reaction with air humidity to a flexible silicone coating. During cure it splits off an organic amine. It can be applied by dipping, spraying, brushing or coating. Thinner coatings can be obtained by addition of solvents (e.g. toluene, white spirit), thicker coatings can be realised by multiple step coating.

The product contains about 25% of solvent (b.w.) therefore suitable equipment has to be used and precaution measures due to the solvent vapours have to be taken.

ELASTOSIL® A07 TRANSLUCENT is a one-part room temperature curing coating therefore the curing rate depend atmospheric humidity. The curing rate can be accelerate on exposure to carbon dioxide concentration above 1% p.b.v. Uncured or partially cured silicone can be removed by help of organic solvents such as alipatic or aromatic hydrocarboncleaning should take place before the rubber is fully cured. Once completely cured, only mechanical removal supported by prior solvent swell is possible. In thin films, Wacker Silicone Remover S8 is suited as well.

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

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® A07 TRANSLUCENT



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@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.