



WACKER

SILICONES

ELASTOSIL®

ELASTOSIL® E 47
GENERAL-PURPOSE
ADHESIVE AND SEALANT

CREATING TOMORROW'S SOLUTIONS

STRONG SILICONE BONDS THAT HOLD



Versatile, dependable and innovative – ELASTOSIL® E 47 is a 1-component silicone adhesive that cures at room temperature in ambient air to yield lasting rubber bonds.

The quality you expect...

- Stable and elastic from -50 °C to 180 °C
- Very good mechanical properties
- Outstanding UV and weathering resistance

...With added innovations

- Heat activatable (up to 80 °C) for early strength:
Accelerated curing makes for faster processing.
- Non-slump: The adhesive stays in place, doing the bonding or sealing job it is meant to do.

- Consistency of a soft paste:
The thickness of the adhesive layer can be varied as needed.
- Excellent silicone-silicone adhesion:
Ideal for repairing damaged silicone parts, whether sealing them, sticking them back together again, or smoothing rough surfaces.

Special Characteristics:

- Acetic acid-curing system
- Non-slump
- Excellent primerless adhesion to many substrates
- Excellent adhesion to silicone
- Accelerated vulcanization at elevated temperatures

PRODUCT CHARACTERISTICS THAT IMPRESS

Property	Test method	Unit	Value
Product data (uncured)			
Color			Transparent
Density at 23 °C		[g/cm ³]	1.04
Viscosity at 23 °C	ISO 3219	[mPa s]	non-slump
Skin-over time	23 °C, 50% RH	[Min]	5–20
Extrusion rate	3 mm disc, pressure 0.21	[N/mm ²]	10–20 g
Product data (cured) 2 mm thickness, stored for 7 days at 23 °C, 50% RH			
Color			Transparent
Density at 23 °C, in water	ISO 1183-1 / ISO 2781	[g/cm ³]	1.07
Elongation at break	ISO 37	[%]	450
Tensile strength	ISO 37	[N/mm ²]	4.5
Tear strength	ASTM D 624	[N/mm ²]	10
Hardness Shore A	ISO 868		35

Versatile Applications

ELASTOSIL® E 47 may be widely used wherever dependable bonding or sealing is required. Its special ability to bond silicone to silicone makes it ideal for repairing, bonding and even smoothing damaged parts.

These figures are intended as a guide and should not be used in preparing specifications. For more detailed product data, please see our product data sheets.

ELASTOSIL® is a registered trademark of Wacker Chemie AG.

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