ELASTOSIL® E 951

Adhesive Sealant

Applications

ELASTOSIL® E 951 is a high strength one-component adhesive sealant designed for bonding silicone rubber to silicone rubber or metal substrates. ELASTOSIL® E 951 may also be used for forming high strength bonds between metal and glass. ELASTOSIL® E 951 adheres tenaciously to most substrates without the aid of a primer.

Features

- One component, ready-to-use
- Excellent adhesion
- High strength

Specifications

Typical Property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones for assistance and recommendations before writing specifications on this product.

Use Information

ELASTOSIL® E 951 cures at room temperature when exposed to the humidity in the air. It forms a skin in less than 30 minutes, is tack free in an hour and normally cures overnight. Since this material requires moisture in the air to cure, the cure rate depends on the degree of open exposure. Acetic acid is liberated during cure which disappears when cure is complete. ELASTOSIL® E 951 adheres exceptionally well to various substrates including metals, glass, and vulcanized silicone rubber. The substrates should be clean. Primers are available to solve special adhesion problems.

Safety

For detailed safety information, please refer to the Material Safety Data Sheet.

Product data

Property	Test Procedure	Value
Appearance	WSTM-2119	Clear paste
Viscosity, cP, 25°C	WSTM-2103	400,000
Skin-Over Time, minutes, 25°C, 50% relative humidity	WSTM-2118	20
As Cured*		
Hardness, Shore A	WSTM-2225	30
Tensile Strength,		
MPa		4.5
psi	WSTM-1228	650
Elongation, %	WSTM-1228	400
Tear Strength, die B		
psi	WSTM-1229	70
kN/m		12.3
Specific Gravity, 25°C	WSTM-2225	1.12

* Cured 7 days/25°C. ELASTOSIL® E 951 releases acetic acid while curing. The fully cured product will be completely free of acetic acid oder.

Storage

ELASTOSIL® E 951 has a shelf life of at least 600 days when stored below 32°C in the tightly closed original container.

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.

Packaging

ELASTOSIL® E 951 is available in 6 ounce plastic cartridges (182 g), 5-gallon (44 lb.) pails, and 55-gallon (440 lb) drums.

Contact Information

Phone: 1 800 554-1715
Press 1 for Silicone Rubber –
Follow the menu instructions

e-mail: customercare@wacker.com

Wacker Silicones
Wacker Chemical Corporation
3301 Sutton Road
Adrian, Michigan 49221-9397

Wacker Silicones is a domestic manufacturer of basic silicone materials for industry. Products include silicone fluids and emulsions, antifoam and release agents, room temperature vulcanizing (RTV) sealants and adhesives, heat curable rubber (HCR), liquid silicone rubber (LSR), masonry water repellents, paint raw materials, paper release coatings, and textile finishes.

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The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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WACKER SILICONES
Wacker Chemical Corporation
3301 Sutton Road
Adrian, MI 49221

Email: customercare@wacker.com

www.wacker.com