



Technical Data Sheet

DOWSIL™ SR 2440 Resin

Room temperature curable silicone resin

Features & Benefits

- Can provide transparent silicone resin film on various substrates
- Can be cured at ambient temperature or heated conditions
- Can shorten curing time and improve film hardness by using appropriate catalyst
- Alcohol emission type

Composition

- Silicone resin solution (paraffin, toluene)

Applications

- Protective coating. (metal, plastics, glass, etc.)

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Colorless liquid
Specific gravity (25°C)		0.8
Viscosity	mm ² /s	1.5
Non volatile content	%	20

Description

DOWSIL™ SR 2440 Resin provides transparent silicone coating on various substrates. This resin solution can be cured at room temperature or by heat. Additional catalysts can shorten curing time and improve film hardness.

How to Use

Substrate surface should be cleaned and dried before coating in order to get good silicone coating. The resin solution can be applied by various methods such as spraying, dipping, or brushing. Cross linking reactions gradually proceed at ambient temperature and provide cured film. Catalysts (organometallics, etc.) can shorten curing time and improve film hardness.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging Information

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow sales office or Dow distributor.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, consumer.dow.com or consult your local Dow representative.

Table 1: Typical Film Properties with or without Catalysts

(The data are not specifications.)

Catalyst	None	Dimethyl tin compound ¹	Zinc compound ²
Cat. dosage (pts) ³		0.5	0.5
Tack free time (minutes)	300	20	300
Curing conditions			Pencil hardness
Room temp, 24 hours	HB	H	F
150°C, 10 minutes	Not cured	H	H

1. $(\text{CH}_3)_2\text{Sn}(\text{OCOC}_9\text{H}_{19})_2$

2. $\text{Zn}(\text{OCOC}_7\text{H}_{15})_2$

3. Based on active ingredients for 100 pts of DOWSIL™ SR 2440 Resin.

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