



Technical Data Sheet

DOWSIL™ RSN-0840 Resin

FEATURES & BENEFITS

- Excellent leafling properties and water resistance
- Very good gloss retention
- Paints containing DOWSIL™ RSN-0840 Resin can give extremely high temperature protection over short periods
- Improves moisture resistance, heat stability and weatherability of many organic resins
- Leveling agent to improve the surface appearance of organic protective coatings

Silanol-functional silicone resin in toluene

APPLICATIONS

- Blend with up to 50% in organic resins used as binders for finishes to improve gloss and color retention at temperatures up to 430°C (806°F).
- Paints containing acrylic resins cold blended with DOWSIL RSN-0840 Resin have proved highly suitable for use as touch up paints.
- Aluminum coatings containing 10% to 30% of the resin will resist 538°C (1000°F) over short periods.
- Silicone ceramic coatings based on DOWSIL RSN-0840 Resin containing ceramic frits are serviceable up to 750°C (1382°F).

TYPICAL PROPERTIES

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

Property	Unit	Result
Resin solids	%	60
Solvent		Toluene
Color		Pale straw
Color (Gardner Scale)		1
Specific gravity at 25°C/15.6°C (77°F/60.08°F)		1.06
Viscosity at 25°C (77°F)	mPa.s	10 to 30
Gardner Holdt		A2 to A3
Flash point - closed cup	°C (°F)	7 (44.6)
Theoretical Residual Silicon Dioxide	%	52
Phenyl / Methyl Ratio		1.2
Degree of Substitution		1.4
Curing time at 200°C (392°F)	hours	1-2
Curing time at 250°C (482°F)	hour	1

HOW TO USE

DOWSIL RSN-0840 Resin can be thinned with most ketones, esters and chlorinated solvents, with butanol, ethyl hexanol and glycol ethers and with hydrocarbon solvents having kauributanol values greater than 50.

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 WWW.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 25°C (77°F) in the original unopened container, this product has a usable life of 33 months from the date of production.

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, www.consumer.dow.com or consult your local Dow representative.

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