

Razeen® SR 5013

Solid Epoxy Resin



General	Razeen® SR 5013 is a solid, unmodified Bisphenol A epoxy resin.
Application	<p>Razeen® SR 5013 is a fast reacting, low melt viscosity solid epoxy resin designed for thick and thin film powder coatings.</p> <p>The resin, preferably in combination with oil-free acid terminated polyester resins, is suitable for polyester rich powder coating system. The main end use formulations are general, decorative coatings for metal furniture.</p>

Advantages	<p>The reactive epoxy resin Razeen® SR 5013 is marked by good flow properties, good wettability to pigments and substrates and very good storage stability of the formulated powders. Further more such coatings yield:</p> <ul style="list-style-type: none"> • Excellent mechanical and electrical properties • Good corrosion resistance • High gloss for decorative applications • Excellent adhesion • High filler loading • FDA approved
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Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, APHA	50 max	ASTM D-1209
	Epoxy value	1.38 – 1.54 eq/Kg	ASTM D-1652
	Weight per epoxide	650 - 725 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	370 - 490 mPa.s	ISO 12058-1

* 40% in butyl carbitol

Specific key data are individually checked throughout, guaranteed and included in Certificate of Analysis.

Typical Key Data	Property	Value	Test method
	Melt viscosity at 150 °C	2200 – 3200 mPa.s	ASTM D-4440
	Softening point	85 – 92 °C	ASTM D-3461
	Density at 25 °C	1.19 g/cm ³	ISO 8130
	Flash point	≥ 200°C	ISO 2719

Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.

As-supplied form	Flakes (5 mm sieve)
Odor	None
Self life (at storage temperature between 2- 40°C) (See expiry date on original bag)	6 years
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

Package & storage Razeen® SR 5013 is supplied in 25 kg bags. This product has a minimum shelf life of 6 years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

Handling Precautions **Caution! Avoid dusty conditions.**
Use with good ventilation.
Avoid contact with eyes.
Avoid skin contact.
Avoid breathing dust.
Wash thoroughly after handling.

Please read our Material Safety Data Sheet before using.

First Aid **In case of contact:**

Eyes	:	Promptly flush eyes with warm water for at least 5 minutes.
Skin	:	Wash with mild soap and water.
Inhalation	:	Remove to fresh air.
Ingestion	:	If conscious, give water and call a physician.

Note Razeen® is a registered trademark of JANA or an affiliate thereof.

Jubail Chemical Industries Co. (JANA)
P.O Box 10661
Jubail Industrial city 31961
Kingdom of Saudi Arabia
Tel : +966 3 3585002
Fax : +966 3 3585113
Website : www.jana-ksa.net

ISO 9001 : 2000



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