

Razeen® SR 5013

Solid Epoxy Powder Coating Resin



General Razeen® SR 5013 is a fast reacting, low melt viscosity solid epoxy resin designed for thick and thin film coatings.

Chemical Description Razeen® SR 5013 is a solid, unmodified Bisphenol A epoxy resin.

- Advantages**
- Low melt viscosity while maintaining an acceptable Tg
 - Excellent mechanical and electrical properties
 - Good corrosion resistance
 - High gloss for decorative applications
 - Excellent adhesion
 - High filler loading
 - FDA regulated

- Applications**
- Coatings for components used in the chemical industry requiring high chemical and mechanical resistance.
 - Coatings of complicated metal objects, e.g. wire mesh, coil springs, spinning bobbins, steel furniture, radiators, etc.
 - Decorative coating applications Coatings based on epoxy/polyester hybrids.

Specific Key Data	Property	Value	Test method
	Appearance	Clear, No Contamination	JCTM 002
	Color, APHA	50 max.	ASTM D-1209
	Epoxy value	0.1379 - 0.1538 eq/100g	ASTM D-1652
	Weight per epoxide	650 - 725 g/eq	ASTM D-1652
	Viscosity, ICI cone & plate @150°C	2200 – 3200 mPa.s	ASTM D-4440
	Softening point	85 – 92°C	ASTM D-3461

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

Typical Key Data	Property	Value
	Weight per gallon	9.9 lb avg.
	Gel particles	Gels 2 max/6sq inch
		Blooms 12 max/6sq inch
	Volatile Content	0.3 % max

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.

Packaging and storage Razeen[®] SR 5013 is supplied in 25kg bags. This product has a minimum shelf life of 4 years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

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

Please refer our MSDS for more detailed information.

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.

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